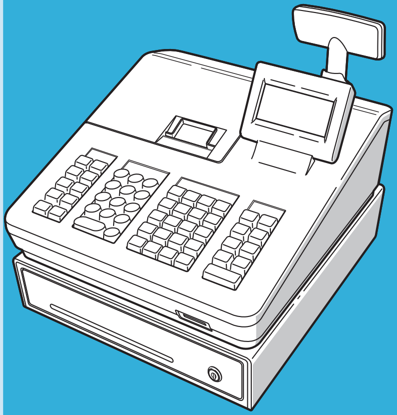
SHARP®

## ELECTRONIC CASH REGISTER

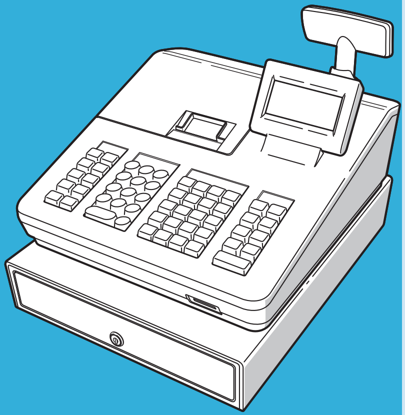
MODEL

# XE-A177
# XE-A207W/XE-A207B
# XE-A217W/XE-A217B

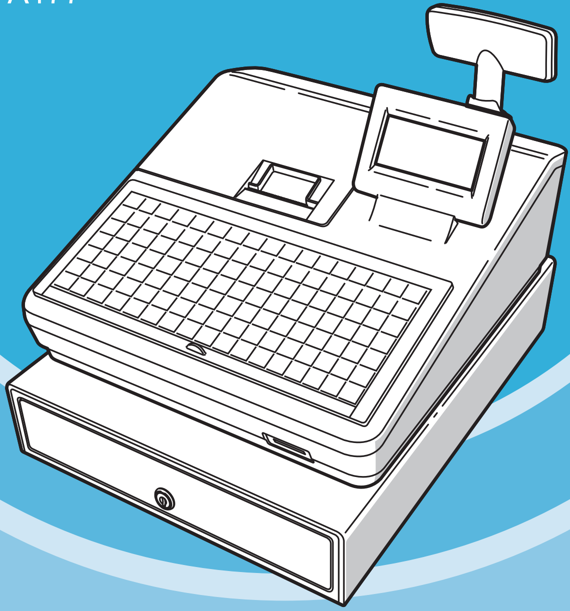
## FULL DETAILED INSTRUCTION MANUAL



<XE-A177>



<XE-A207W/XE-A207B>



<XE-A217W/XE-A217B>

**CAUTION:**
The cash register should be securely fitted to the supporting platform to avoid instability when the drawer is open.

**CAUTION:**
The socket-outlet shall be installed near the equipment and shall be easily accessible.
**VORSICHT:**
Die Netzsteckdose muß nahe dem Gerät angebracht und leicht zugänglich sein.
**ATTENTION:**
La prise de courant murale devra être installée à proximité de l’équipement et devra être facilement accessible.
**AVISO:**
El tomacorriente debe estar instalado cerca del equipo y debe quedar bien accesible.
**VARNING:**
Det matande vägguttaget skall placeras nära apparaten och vara lätt åtkomligt.
**LET OP:**
Het stopcontact dient in de buurt van de kassa en gemakkelijk toegangbaar te zijn.

**CAUTION:**
For a complete electrical disconnection pull out the mains plug.
**VORSICHT:**
Zur vollständigen elektrischen Trennung vom Netz den Netzstecker ziehen.
**ATTENTION:**
Pour obtenir une mise hors-circuit totale, débrancher la prise de courant secteur.
**AVISO:**
Para una desconexión eléctrica completa, desenchufar el enchufe de tomacorriente.
**VARNING:**
För att helt koppla från strömmen, dra ut stickproppen.
**LET OP:**
Trek de stekker uit het stopcontact indien u de stroom geheel wilt uitschakelen.

# INTRODUCTION

Thank you very much for your purchase of the SHARP Electronic Cash Register, Model XE-A177/XE-A207W/XE-A207B/XE-A217W/XE-A217B.
Please read this manual carefully before operating your machine in order to gain full understanding of functions and features.
Please keep this manual for future reference. It will help you if you encounter any operational problems.

# IMPORTANT

- Be very careful when removing and replacing the printer cover, as the cutter mounted on it is very sharp.
- Install the cash register in a location not subject to direct sunlight, unusual temperature changes, high humidity or splashing water.
  Installation in such locations could cause damage to the cabinet and the electronic components.
- Never install the register in saline areas (e.g.: close to the sea).
  Installing the register in such locations could cause component failure with the corrosion.
- Never operate the register with wet hands.
  The water could seep into the interior of the register and cause component failure.
- When cleaning your register, use a dry, soft cloth. Never use solvents, such as benzine and/or thinner.
  The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- The register plugs into any standard wall outlet (official (nominal) voltage).
  Other electrical devices on the same electrical circuit could cause the register to malfunction.
- For protection against data loss, please install two alkaline batteries LR6 (“AA” size) after initializing the cash register. When handling the batteries, please observe the following:
  Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register.
    - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
      DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
    - Be sure that the positive (+) and negative (–) poles of each battery are facing in the proper direction for installation.
    - Never mix batteries of different types.
    - Never mix old batteries and new ones.
    - Never leave dead batteries in the battery compartment.
    - Remove the batteries if you do not plan to use the cash register for long periods.
    - Should a battery leak, clean out the battery compartment immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.
    - For battery disposal, follow the corresponding law in your country.
- For complete electrical disconnection, disconnect the main plug.
- Never allow rubber products or a rubber part on a product to be in prolonged contact with this product.
  The case, printer cover, and other parts of the product may dissolve if left in prolonged contact with rubber.

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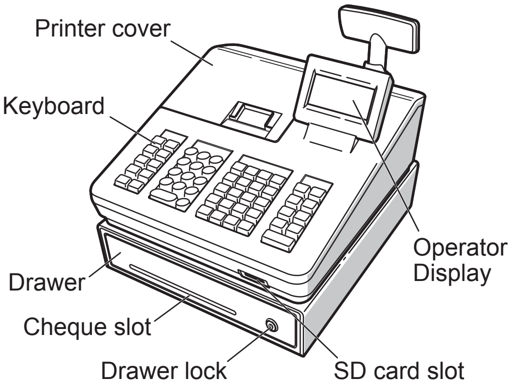
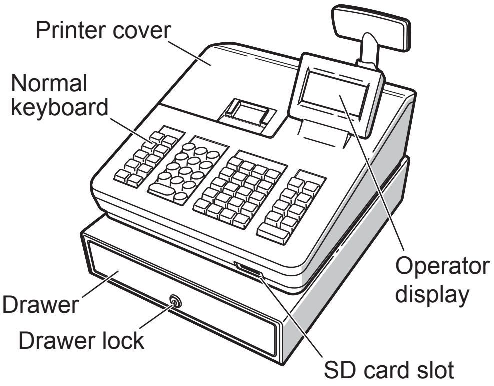
# 1 Part Names and Functions

## External View

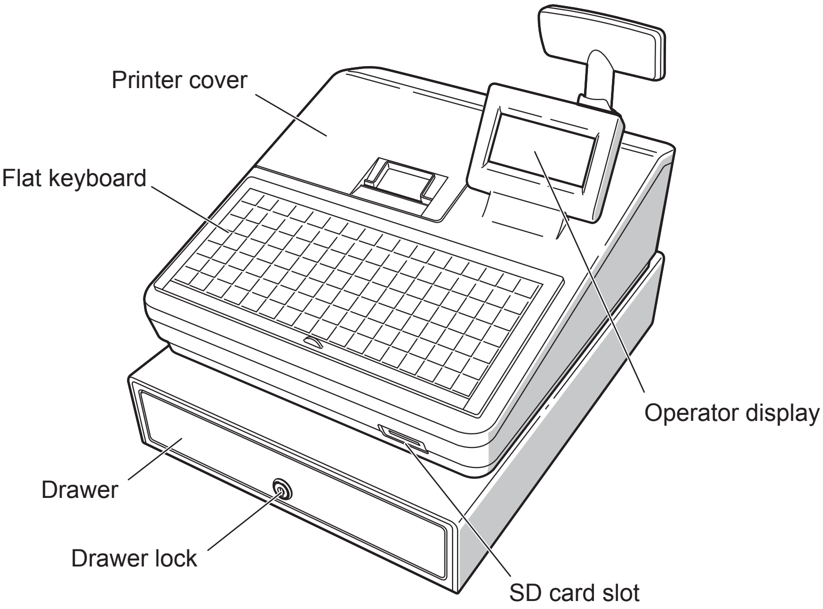
### ■ Front view (XE-A177)


Printer cover
Keyboard
Operator Display
Drawer
Cheque slot
Drawer lock
SD card slot

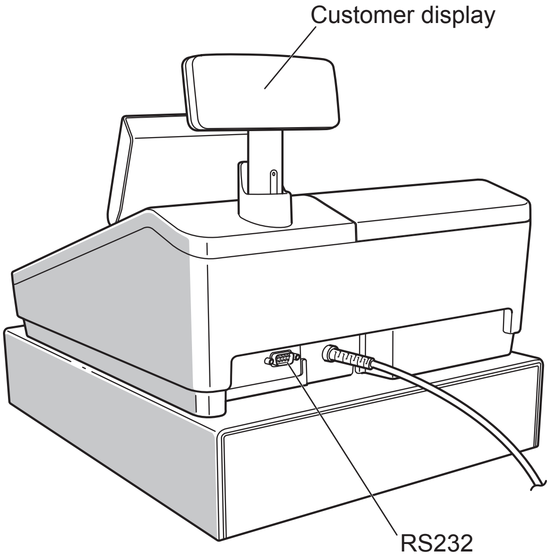
### ■ Front view (XE-A207W/XE-A207B)


Printer cover
Normal keyboard
Operator display
Drawer
Drawer lock
SD card slot

### ■ Front view (XE-A217W/XE-A217B)


Printer cover
Flat keyboard
Operator display
Drawer
Drawer lock
SD card slot

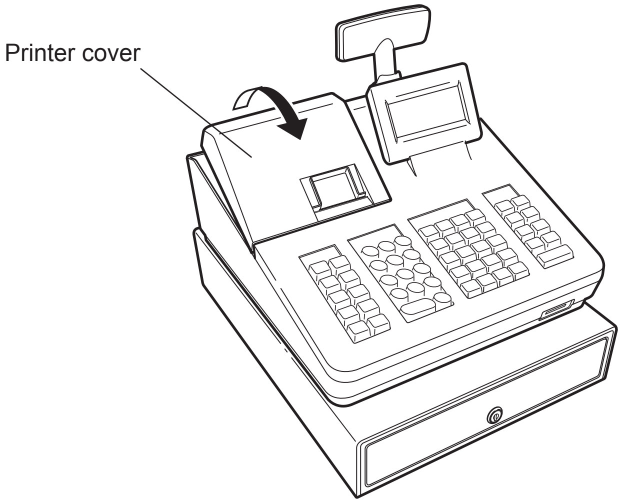
## ■ Rear view

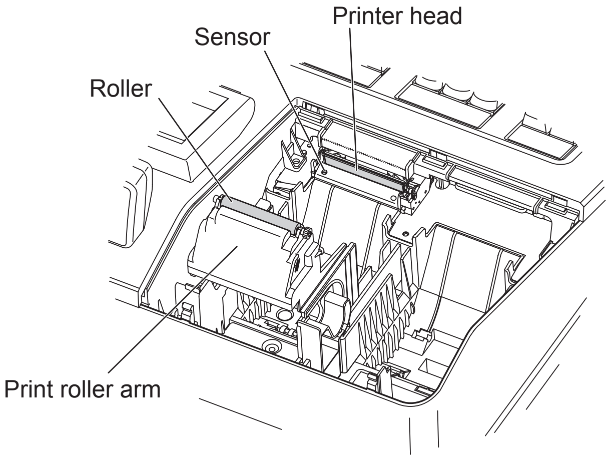

Customer display
RS232

# Printer

The printer is a receipt (one station) type thermal printer, and therefore it does not require any type of ink ribbon or cartridge. The average life of the printer is approximately 5 million lines.

When removing the printer cover, lift up its rear.
When installing the printer cover, hook it on the pawls on the cabinet and shut it.
**Caution**: The paper cutter is mounted on the printer cover. Be careful not to cut yourself.

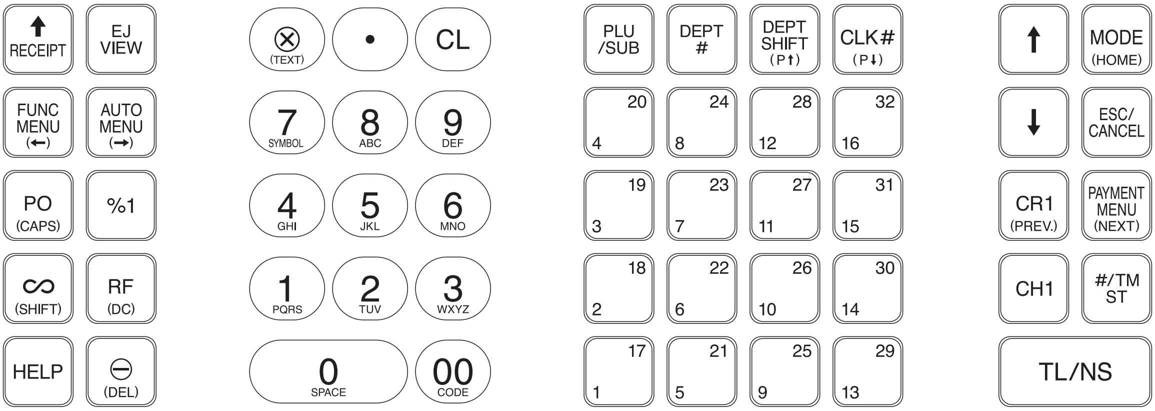




**NOTE** *Do not attempt to remove the paper with the print roller arm in the hold position. This may result in damage to the printer and printer head.*

# Keyboard XE-A177/XE-A207W/XE-A207B

## ■ Keyboard layout


↑ RECEIPT
EJ VIEW
⊗ (TEXT)
•
CL
PLU /SUB
DEPT #
DEPT SHIFT (P↑)
CLK# (P↓)
↑
MODE (HOME)
FUNC MENU (←)
AUTO MENU (→)
7 SYMBOL
8 ABC
9 DEF
20 4
24 8
28 12
32 16
↓
ESC/ CANCEL
PO (CAPS)
%1
4 GHI
5 JKL
6 MNO
19 3
23 7
27 11
31 15
CR1 (PREV.)
PAYMENT MENU (NEXT)
∞ (SHIFT)
RF (DC)
1 PQRS
2 TUV
3 WXYZ
18 2
22 6
26 10
30 14
CH1
#/TM ST
HELP
⊖ (DEL)
0 SPACE
00 CODE
17 1
21 5
25 9
29 13
TL/NS

## ■ Function key list

| | | | |
|---|---|---|---|
| ↑ RECEIPT | Receipt paper feed key | PLU/ SUB | Price lookup/Sub department key |
| EJ VIEW | Electronic journal view key | DEPT # | Department code entry key |
| FUNC MENU | Function menu key | DEPT SHIFT | Department shift key |
| AUTO MENU | Auto menu key | CLK# | Clerk code entry key |
| PO | Paid out key | 17 1 ～ 32 16 | Department 1-32 key |
| %1 | Percent 1 key | ↑ ↓ | Cursor (up/down arrow) key |
| ∞ | Void key | MODE | Mode key |
| RF | Refund key | ESC/ CANCEL | Escape/Cancel key |
| HELP | Help key | CR1 | Credit 1 key |
| ⊖ | Discount key | PAYMENT MENU | Payment menu key |
| ⊗ | Multiplication key | CH1 | Check 1 key |
| • | Decimal point key | #/TM ST | Non-add code/Time display/Subtotal key |
| CL | Clear key | TL/NS | Total/No sale key |
| 0 ～ 9<br>00 | Numeric key | | |

* In this manual each department key is represented like 4 in order to distinguish it from direct price lookup keys.

# Keyboard XE-A217W/XE-A217B

## ■ Keyboard layout

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ↑<br>RECEIPT | HELP | ↑ | MODE | 2 | 4 | 6 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| G.C.<br>RCPT | EJ<br>VIEW | ↓ | ESC/<br>CANCEL | 1 | 3 | 5 | 6 | 13 | 20 | 27 | 34 | 41 | 48 | 55 | 62 | 69 |
| FUNC<br>MENU | AUTO<br>MENU | ⊗ | • | CL | DEPT<br># | L3 | 5 | 12 | 19 | 26 | 33 | 40 | 47 | 54 | 61 | 68 |
| CLK<br># | PLU<br>/SUB | 7 | 8 | 9 | CR1 | L2 | 4 | 11 | 18 | 25 | 32 | 39 | 46 | 53 | 60 | 67 |
| ⊖ | %1 | 4 | 5 | 6 | CH1 | L1 | 3 | 10 | 17 | 24 | 31 | 38 | 45 | 52 | 59 | 66 |
| PO | RF | 1 | 2 | 3 | #/TM<br>ST | GLU | 2 | 9 | 16 | 23 | 30 | 37 | 44 | 51 | 58 | 65 |
| ∞ | VAT<br>SHIFT | 0 | 00 | PAYMENT<br>MENU | TL/NS | NBAL | 1 | 8 | 15 | 22 | 29 | 36 | 43 | 50 | 57 | 64 |

## ■ Programing keyboard layout

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ↑<br>RECEIPT | HELP | ↑ | MODE<br>(HOME) | (PAGE<br>UP) | | | €<br>£ | ¤<br>$ | –<br>+ | {<br>[ | }<br>] | \<br>/ | ~<br>& | ¢<br>§ | Ã<br>ã | Õ<br>õ |
| | | ↓ | ESC/<br>CANCEL | (PAGE<br>DOWN) | | | &<br>@ | _<br>* | %<br># | <<br>( | ><br>) | ”<br>’ | ;<br>, | :<br>. | ¡<br>! | ¿<br>? |
| | | ⊗ | • | CL | (PREV.<br>RECORD) | (NEXT<br>RECORD) | Â<br>â | Ê<br>ê | Î<br>î | Ô<br>ô | Û<br>û | Ä<br>ä | Ë<br>ë | Ï<br>ï | Ö<br>ö | Ü<br>ü |
| | | 7 | 8 | 9 | (DEL) | | Á<br>á | É<br>é | Í<br>í | Ó<br>ó | Ú<br>ú | À<br>à | È<br>è | Ì<br>ì | Ò<br>ò | Ù<br>ù |
| (←) | (→) | 4 | 5 | 6 | | | Q | W | E | R | T | Y | U | I | O | P |
| (CAPS) | | 1 | 2 | 3 | #/TM<br>ST | | A | S | D | F | G | H | J | K | L | ß |
| (SHIFT) | (DC) | 0 | 00<br>CODE | (SPACE) | TL/NS | | Z | X | C | V | B | N | M | Å<br>å | Ç<br>ç | Ñ<br>ñ |

## ■ Function key list

| | |
|---|---|
| ↑ RECEIPT | Receipt paper feed key |
| HELP | Help key |
| G.C. RCPT | Guest check receipt key |
| EJ VIEW | Electronic journal view key |
| FUNC MENU | Function menu key |
| AUTO MENU | Auto menu key |
| CLK# | Clerk code entry key |
| PLU /SUB | Price lookup/Sub department key |
| ⊖ | Discount key |
| %1 | Percent 1 key |
| PO | Paid out key |
| RF | Refund key |
| ∞ | Void key |
| VAT SHIFT | Value added tax shift key |
| ↑ ↓ | Cursor (up/down arrow) key |
| MODE | Mode key |
| ESC/ CANCEL | Escape/Cancel key |

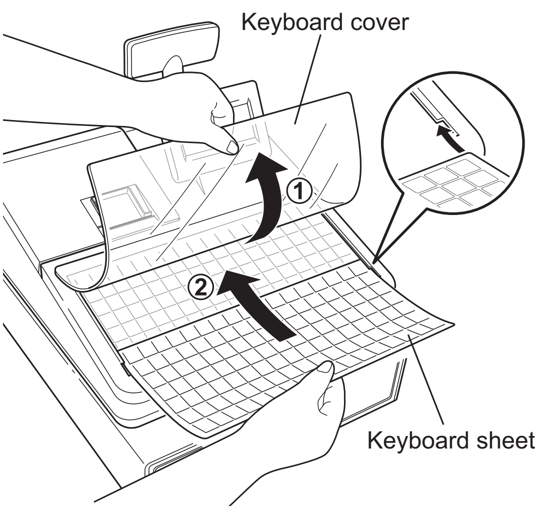
| | |
|---|---|
| 1 ~ 6 | Department 1-6 key |
| ⊗ | Multiplication key |
| • | Decimal point key |
| CL | Clear key |
| 0 ~ 9<br>00 | Numeric key |
| PAYMENT MENU | Payment menu key |
| DEPT # | Department code entry key |
| CR1 | Credit 1 key |
| CH1 | Check 1 key |
| L1 ~ L3 | PLU level shift 1 to 3 keys |
| #/TM ST | Non-add code/Time display/Subtotal key |
| GLU | Guest lookup key |
| TL/NS | Total/No sale key |
| NBAL | New balance key |
| 1 ~ 70 | Direct PLU key |

* In this manual each department key is represented like 4 in order to distinguish it from direct PLU keys.

## ■ Inserting the keyboard sheet (XE-A217W/XE-A217B only)

Two types of keyboard sheets are installed on the cash register; one for ordinal use and one for text programming.

Insert the keyboard sheet between the keyboard cover and the cabinet as illustrated below.



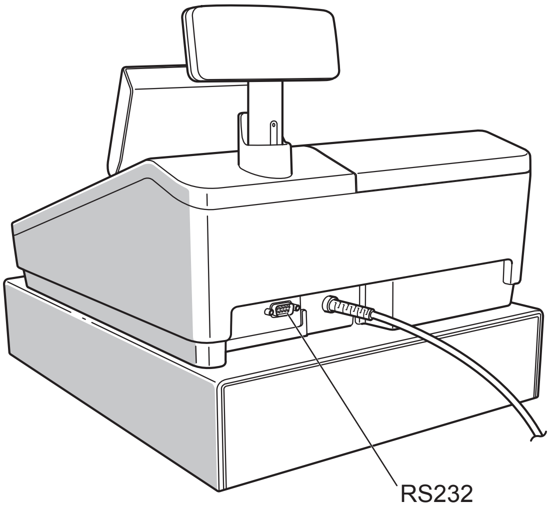
1. Turn over the keyboard cover.
2. Insert the keyboard sheet into the slit.
3. Close the keyboard cover.

**NOTE**

- *Do not spread the keyboard cover too far as it might tear.*
- *Replace the keyboard sheet with a new one if by chance it gets wet. Use of a wet keyboard sheet may cause problems.*
- *Be sure to use only SHARP-supplied keyboard sheets. Thick or hard sheets make key operations difficult.*
- *Smooth the keyboard sheet evenly under the keyboard cover, without any folds or wrinkles, to ensure easier operation.*
- *If you require a new keyboard sheet, please contact your dealer.*

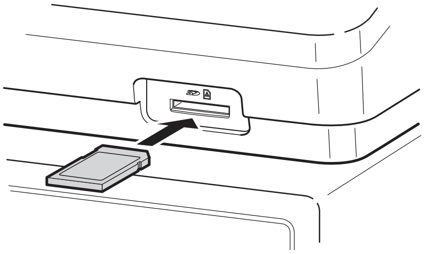
# RS232 Connector/SD Card Slot

## ■ RS232 connector



## ■ SD card slot

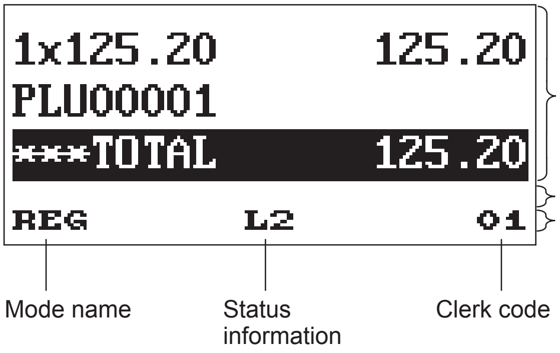
Refer to the “SD CARD Mode” section.



# Displays

## ■ Operator display

**• Screen example 1 (REG mode)**



```
1x125.20          125.20
PLU00001
***TOTAL          125.20
REG        L2         01
```

**Sales information area:**
When a transaction information occupies more than 2 lines, you can scroll to the direction by using the ↑ ↓ keys. Sales information you have just entered such as items and prices will appear between the 1st and the 2nd line.
Total is always appear at the 3rd line.

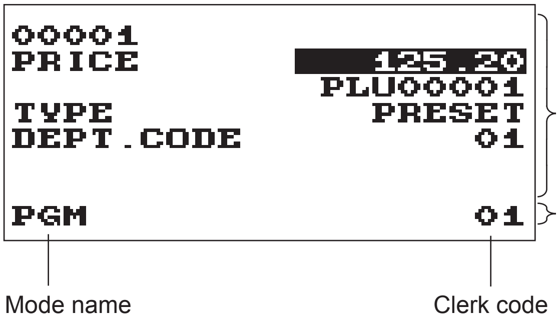
**Numeric Entry Area:**

**Status area:**

PLU level shift indicator (L2-L3) * : Shows the PLU level currently selected.
Receipt ON/OFF status indicator (R) : Appears when the receipt ON-OFF function signs OFF.
VAT shift status indicator (V) * : Appears when the VAT status is shifted.
Electronic journal near full indicator (▨) : Appears (▯) when the used memory is 80%.
: Appears (▨) when the used memory is 90%.
: Appears (▮) when the used memory is 95%.
Sentinel mark (X) : Appears when the cash in drawer exceeds a programmed sentinel amount. The sentinel check is performed for the total cash in drawer.

* XE-A217W/XE-A217B only

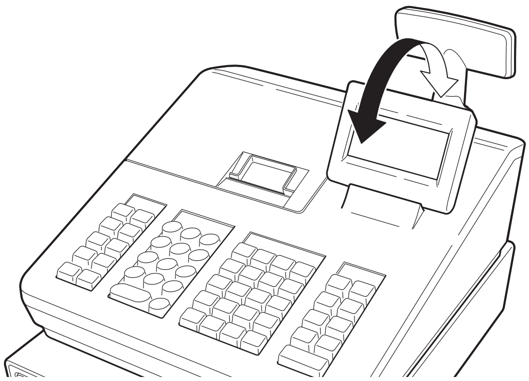
**• Screen example 2 (PGM mode)**



```
00001
PRICE              125.20
                 PLU00001
TYPE               PRESET
DEPT.CODE              01

PGM                    01
```

Programming area: Programmable items are listed.

**Status area:**

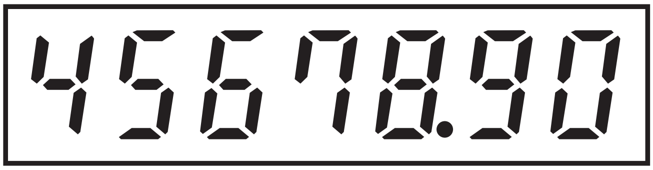


The display can be tilted back and forth to the best operational viewing angle.

**NOTE**

*Do not try to force the display beyond its full position.*

## ■ Customer display



## ■ Screen save mode

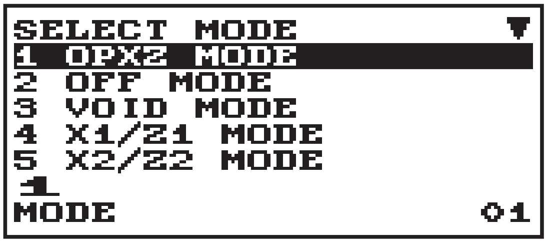
When you want to save the electric power or save the display's life, use the screen save function. This function can turn off the display and the LCD backlight when any clerk does not operate the register for an extended period of time. You can program the time for which your register should keep the normal status (in which the backlight is "ON") before it goes into the screen save mode.
This machine will enter the screen save mode two minutes later by default.
To go back to the normal mode, press any key.
The backlight in display is a consumable part.
When the LCD display may no longer be adjusted and become darker, you should replace the LCD unit.
Consult your authorized SHARP dealer for further details.

# 2

# Selecting an Operating Mode

When you turn the register on and press the MODE key, the mode selection window will appear on the display, listing available operating modes as shown below.

**Mode selection window**



```
SELECT MODE        ▼
1 OPXZ MODE
2 OFF MODE
3 VOID MODE
4 X1/Z1 MODE
5 X2/Z2 MODE
 1
MODE              01
```

## Operating Modes

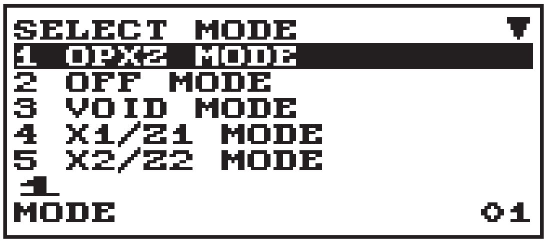
You can select any mode other than REG from the list in the mode selection window. Your register supports the following operating modes:

| | |
|---|---|
| REG mode | This mode allows you to enter various sales information. The mode selection window does not list this mode. To select this mode from the mode selection window, press the ESC/CANCEL key. |
| OPXZ mode | This mode allows clerks to take X or Z reports on their sales information. |
| OFF mode | This mode locks all the operations of the register. When you select this mode, the window will disappear. Pressing any key turns the register ON. |
| VOID mode: | This mode allows correction after finalizing a transaction. |
| X1/Z1 mode | This mode is used to take various daily total reports (X1/Z1 reports). |
| X2/Z2 mode | This mode is used to take various weekly or monthly reports (X2/Z2 reports). |
| PGM mode | This mode is used to program various items. |
| SD CARD mode | This mode allows you to save and load the data of your register to and from an SD card. |

# Mode Selection

**Procedure**

Press the MODE key. The following mode screen is displayed.



```
SELECT MODE          ▼
1 OPXZ MODE
2 OFF MODE
3 VOID MODE
4 X1/Z1 MODE
5 X2/Z2 MODE
 1
MODE                01
```

Use one of the following ways:
- Move the cursor to the desired option by using the ↑ or ↓ key, and press the TL/NS key.
- Enter the desired option number by using a numeric key and press the TL/NS key.

**NOTE** *When you want to enter the REG mode, simply press the* ESC/CANCEL *key.*

# 3 Prior to Making Entries

## Preparations for Entries

### Receipt paper roll

If the receipt paper roll is not set in the machine or it is getting low, install a new one according to section “Replacing the Paper Roll” under “Operator Maintenance”.

### Receipt ON/OFF function

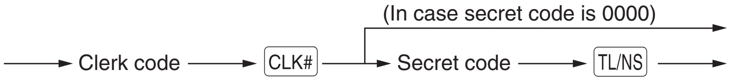
You can disable receipt printing in the REG mode to save paper using the receipt function. Press the FUNC MENU key. Select “3 RECEIPT SW” and press the TL/NS key for XE-A217. For XE-A177/XE-A207, select “4 RECEIPT SW” and press the TL/NS key. Select “OFF” to disable receipt printing. When the function is in the OFF status, the receipt off indicator “R” is highlighted.

**NOTE** *Your register will print reports regardless of the receipt state. This means that the receipt roll must be installed even when the receipt state is “OFF”.*

### Clerk assignment

Prior to any item entries, a clerk must enter his/her clerk codes into the register.

To sign on:



To sign off: → CLK# →

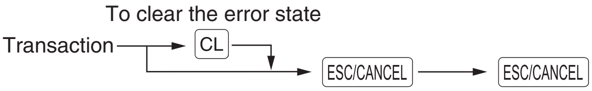
## Error Warning

In the following examples, your register will go into an error state accompanied with a warning beep and the error message on the display. Clear the error state by pressing the CL key and then take the proper action to remedy the problem.

- When you exceed a 32-digit number (entry limit overflow):
  Cancel the entry and reenter a correct number.
- When you make an error in key operation:
  Clear the error and try the entry again.
- When you make an entry beyond a programmed amount entry limit:
  Check to see if the entered amount is correct. If it is correct, it can be rung up in the MGR mode. Contact your manager.
- When an including-tax subtotal exceeds eight digits:
  Clear the error message by pressing the CL key and then press a media key to finalize the transaction.

**Error escape function**

To quit a transaction due to an error or an unforeseen event, use the error escape function as shown below:

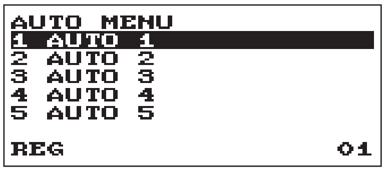


The transaction is voided (treated as a subtotal void) and the receipt is issued by this function. If you have already entered a tendered amount, the operation is finalized as a cash sale.

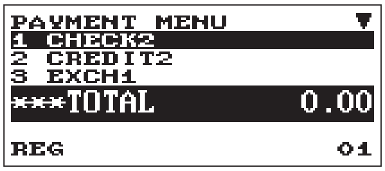
# Item Selection from the Menu

Your register allows you to select functions from a menu. There are three menus available from the key selection on the keyboard; FUNC MENU, PAYMENT MENU and AUTO MENU.
Each menu can be opened as follows:

- **AUTO MENU**

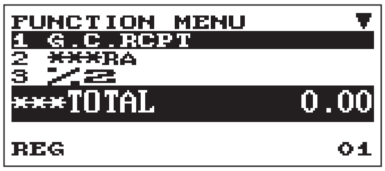

AUTO MENU
1 AUTO 1
2 AUTO 2
3 AUTO 3
4 AUTO 4
5 AUTO 5
REG 01

- **PAYMENT MENU**

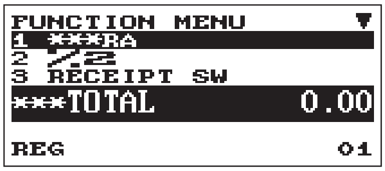

PAYMENT MENU
1 CHECK2
2 CREDIT2
3 EXCH1
***TOTAL 0.00
REG 01

- **FUNCTION MENU**

XE-A177/XE-A207W/XE-A207B


FUNCTION MENU
1 G.C.RCPT
2 ***RA
3 %2
***TOTAL 0.00
REG 01

XE-A217W/XE-A217B


FUNCTION MENU
1 ***RA
2 %2
3 RECEIPT SW
***TOTAL 0.00
REG 01

**Procedure**

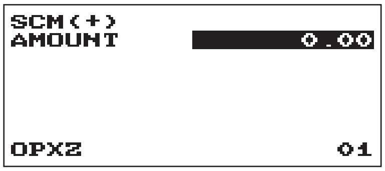
In the REG mode, press FUNC MENU, PAYMENT MENU or AUTO MENU key. The corresponding menu list appears.

# Starting Cash Memory Entry

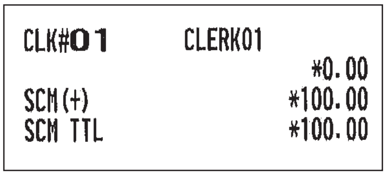
If you enter the amount of currency for the starting amount in the drawer before entry operations, you can separate that amount from the sales amount when reports are generated.
Your register can be programmed to enforce the entry of starting cash into memory.

**Procedure**

1. Press the MODE key.
2. Select the "1 OPXZ MODE" and press the TL/NS key.
3. Select the desired option "3 SCM(+)" or "4 SCM(-)" by using the ↓ key and press the TL/NS key.


SCM(+)
AMOUNT 0.00
OPXZ 01

Enter the amount for domestic currency by using the TL/NS key.



```
CLK#01      CLERK01
                 *0.00
SCM(+)         *100.00
SCM TTL        *100.00
```

# HELP FUNCTION

The help function allows you to print guidance messages for basic programming procedures of the cash register.

## ■ Printing the help menu

Press the HELP key to print the help menu. This menu provides a list of the programming procedures for which you can print the guidance messages.

**Example**

**Key operation**

HELP

**Print**

```
HELP MENU

 1 HOW TO SET THE PAPER
 2 EJ VIEW
 3 DATE SETTING
 4 TIME SETTING
 5 VAT RATE SETTING
 6 VAT TEXT SETTING
 7 VAT ASSIGNMENT TO DEPT.
 8 DEPARTMENT TEXT SETTING
 9 MINUS DEPARTMENT SETTING
10 PLU TO DEPT. ASSIGNMENT
11 PLU TEXT SETTING
12 PLU PRICE SETTING
13 LOGO MESSAGE SETTING
14 REPORT PRINT
15 HOW TO SIGN ON A CLERK
16 HOW TO SET RCPT SW OFF/ON
17 HOW TO FORMAT SD CARD

TO PRINT ABOVE EACH HELP
CONTENTS, EX) 1[HELP].
```

## ■ Printing guidance messages

By reference to the help menu above, press the corresponding numeric key and then the HELP key to print the guidance message for each programming procedure.

**Example**

**Key operation**

4 HELP

**Print**

```
 4 TIME SETTING

Mode selection: PGM MODE
Select "2 SETTING".
Select "7 DATE/TIME".
Push [↓] key to skip DATE.
EX) PM 4:30
    (TIME FORMAT=24 HOUR)
1630[TL/NS]
```

Sample print of TIME SETTING

# 4 Entries

## Item Entries

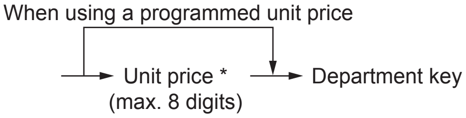
In this manual, the key description is given basically with the model XE-A217. For those with XE-A177/XE-A207, refer to the Function key list on page 11.

### Single item entries

**Department entries (direct department entries)**

Enter a unit price and press a department key. If you use a programmed unit price, press a department key only.

Procedure


When using a programmed unit price
Unit price *
(max. 8 digits)
Department key

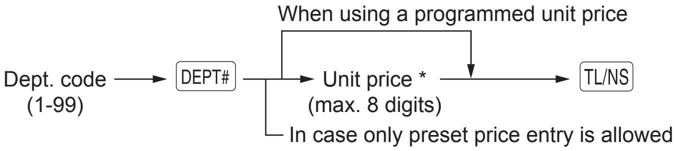
*Less than the programmed upper limit amounts

NOTE
- *For XE-A177/XE-A207W/XE-A207B, when using the department key 17 to 32, you need to press the* DEPT SHIFT *key before pressing the department key.*
- *When those departments for which the unit price has been programmed as zero (0) are entered, only the sales quantity is added.*

**Department entries (indirect department entries)**

The register provides a maximum of 99 departments for a merchandise classification. Group attributes, such as taxable status, are applied to items when they are entered to the departments.

Procedure


When using a programmed unit price
Dept. code
(1-99)
DEPT#
Unit price *
(max. 8 digits)
TL/NS
In case only preset price entry is allowed

*Less than the programmed upper limit amounts

NOTE *You can directly enter the code No. of the department using the numeric key. For the code No. exceeding the figure on the numerical key board (33 and above for XE-A177/XE-A207W/XE-A207B, 7 and above for XE-A217W/XE-A217B), use this function.*

**Example**

**Key operation**

1200 6
5
3 DEPT#
520
TL/NS
4
TL/NS

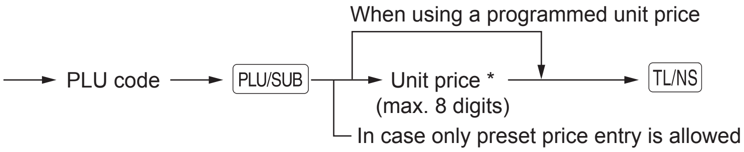
**Print**

```
1x 12.00          *12.00
DPT.06
1x 7.10            *7.10
DPT.05
1x 5.20            *5.20
DPT.03
1x 6.80            *6.80
DPT.04

CASH              *31.10
```

**PLU entries (indirect PLU entries)**

Enter a PLU code and press the PLU/SUB key. If you do not use a programmed unit price, you need to enter a unit price after pressing the PLU/SUB key.

**Procedure**


When using a programmed unit price
PLU code
PLU/SUB
Unit price *
(max. 8 digits)
TL/NS
In case only preset price entry is allowed

*Less than the programmed upper limit amounts

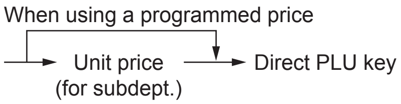
**NOTE** *When those PLUs for which the unit price has been programmed as zero (0) are entered, only the sales quantity is added.*

**PLU entries (direct PLU entries) (For XE-A217W/XE-A217B only)**

Enter the assigned PLU code using the direct PLU keys provided in the keyboard. Here you can simply press the assigned direct PLU keys. The price assigned to the selected PLU code is displayed on the screen.

The direct PLU keys are the numerical keys arranged on the right side of the keyboard and with numbers 1 to 70.

**Procedure**


When using a programmed price
Unit price
(for subdept.)
Direct PLU key

*Less than the programmed upper limit amounts

**Example**

**Key operation**

2 PLU/SUB
16 PLU/SUB
1200
TL/NS
8
TL/NS

**Print**

```
1x 5.10            *5.10
PLU00002
1x 12.00          *12.00
PLU00016
1x 2.10            *2.10
PLU00008

CASH              *19.20
```

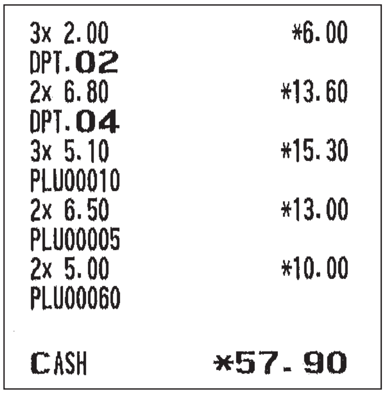
## ■ Repeat entries

The Repeat Entry function allows you to enter a sale of two or more of the same items.
You can simply press the department key, DEPT#, or PLU/SUB key to repeat entry.

**Example**

|  | Key operation |
|---|---|
| Repeated department entry (direct) | 200 2<br>2<br>2 |
| Repeated department entry (indirect) | 4<br>DEPT#<br>680<br>TL/NS<br>DEPT# |
| Repeated PLU entry (indirect) | 10 PLU/SUB<br>PLU/SUB<br>PLU/SUB |
| Repeated PLU* entry (direct) | 5<br>5 |
| Repeated subdepartment entry | 60 PLU/SUB<br>500 TL/NS<br>PLU/SUB<br>TL/NS |

**Print**



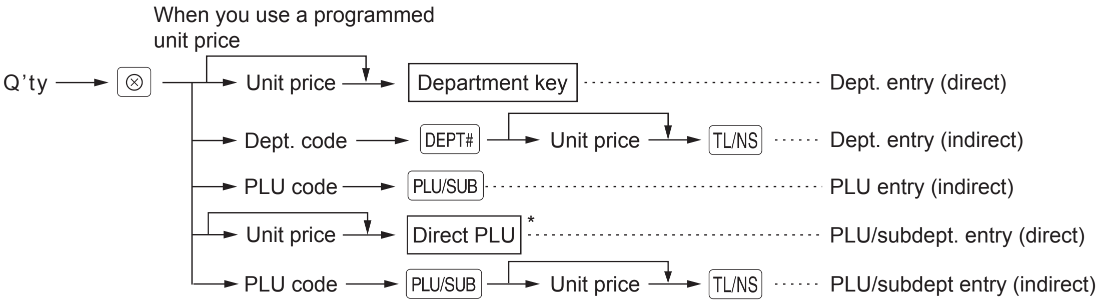
```
3x 2.00          *6.00
DPT.02
2x 6.80         *13.60
DPT.04
3x 5.10         *15.30
PLU00010
2x 6.50         *13.00
PLU00005
2x 5.00         *10.00
PLU00060

CASH            *57.90
```

* XE-A217W/XE-A217B only

## ■ Multiplication entries

Use this feature when you need to enter two or more of the same items.
This feature helps you when you sell a large quantity of items or need to enter quantities that contain decimals.

**Procedure**



When you use a programmed unit price
Q'ty
⊗
Unit price
Department key
Dept. entry (direct)
Dept. code
DEPT#
Unit price
TL/NS
Dept. entry (indirect)
PLU code
PLU/SUB
PLU entry (indirect)
Unit price
Direct PLU
*
PLU/subdept. entry (direct)
PLU code
PLU/SUB
Unit price
TL/NS
PLU/subdept entry (indirect)

* XE-A217W/XE-A217B only

- Q'ty: Up to four-digit integer + three-digit decimal
- Unit price: Less than a programmed upper limit
- Q'ty x unit price: Up to eight digits

**Example**

**Key operation**

7 • 5 ⊗
165 2
2 ⊗
5 DEPT#
250
TL/NS
15 ⊗
8 PLU/SUB
8 • 25 ⊗
5
3 ⊗
60 PLU/SUB
100
TL/NS
TL/NS

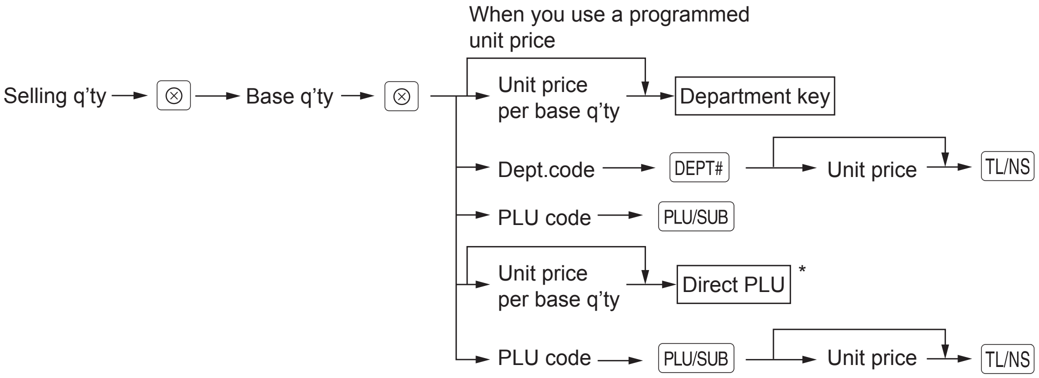
**Print**

```
7.500x 1.65         *12.38
DPT.02
2x 2.50              *5.00
DPT.05
15x 1.20            *18.00
PLU00008
8.250x 1.50         *12.38
PLU00005
3x 1.00              *3.00
PLU00060

CASH            *50.76
```

## ■ Split-pricing entries

You will use this function when your customer wants to purchase more or less than the base quantity of a loose item.

**Procedure**


When you use a programmed unit price
Selling q'ty
⊗
Base q'ty
⊗
Unit price per base q'ty
Department key
Dept.code
DEPT#
Unit price
TL/NS
PLU code
PLU/SUB
Unit price per base q'ty
Direct PLU
*
PLU code
PLU/SUB
Unit price
TL/NS

* XE-A217W/XE-A217B only
- Selling quantity: Up to four-digit integer + three-digit decimal
- Base quantity: Up to two digits (integer)

**Example**

**Key operation**

7 ⊗ 10 ⊗
600 2
8 ⊗ 5 ⊗
35 PLU/SUB
TL/NS

**Print**

```
7x 10/ 6.00        *4.20
DPT.02
8x 5/ 1.50         *2.40
PLU00035

CASH               *6.60
```

## ■ Single item cash sale (SICS)

- This function is useful when a sale is for only one item and is for cash; such as a pack of cigarettes. This function is applicable only to those departments that have been set for SICS or to their associated PLUs.
- The transaction is finalized and the drawer opens as soon as you press the department key, DEPT# key, PLU/SUB key or the direct PLU key.

**Example**

**Key operation**

250

For finishing the transaction → 3

**Print**

```
1x 2.50                  *2.50
DPT.03

CASH                   *2.50
```

**NOTE** *If an entry to a department, PLU/subdepartment set for SICS follows the ones to departments, PLUs/subdepartments not set for SICS, it does not finalize and results in a normal sale.*

## ■ PLU level shift (for direct PLUs) (for XE-A217W/XE-A217B only)

This shift can double or triple the number of direct PLUs on your register without pressing additional direct PLU keys. You can use direct PLUs in three levels by the PLU level shift keys L1 through L3.
Level key shifts the PLU level from the other two to the required level. (The normal level is the level 1.)
You must program your machine in the PGM mode to select one of the two PLU level shift modes — automatic return mode* and lock shift mode** — and decide whether to allow PLU level shift in both the REG and MGR modes or in the MGR mode alone.

* The automatic return mode automatically shifts the PLU level back to level 1 after pressing a direct PLU key or finalizing each transaction.

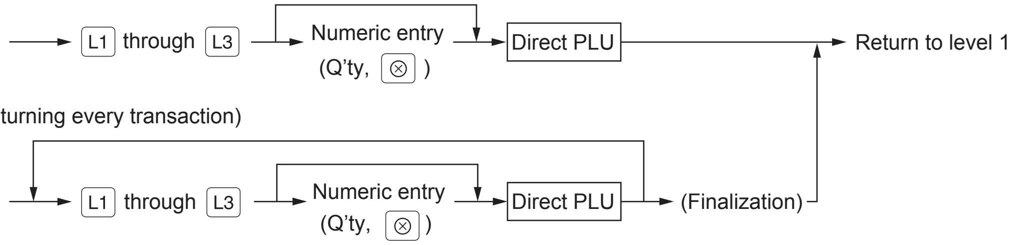
** The lock shift mode holds the current PLU level until depression of a PLU level shift key.

**Automatic return mode (for PLU levels)**

If your register has been programmed for PLU level in the automatic return mode, press a desired PLU level shift key before a numeric entry.

**Procedure**

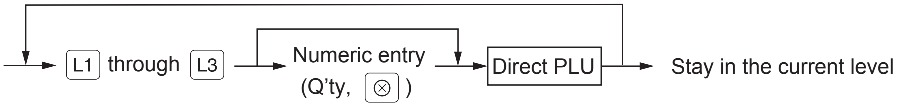
(Returning every item entry)


L1
through
L3
Numeric entry
(Q'ty, ⊗ )
Direct PLU
Return to level 1
(Returning every transaction)
L1
through
L3
Numeric entry
(Q'ty, ⊗ )
Direct PLU
(Finalization)

**Lock shift mode (for PLU levels)**

If your register has been programmed for PLU level in the lock shift mode, press a desired PLU level shift key before a numeric entry.

**Procedure**


L1
through
L3
Numeric entry
(Q'ty, ⊗ )
Direct PLU
Stay in the current level

**Example**

Level 1 : PLU code 1, PLU code 2
Level 2 : PLU code 71, PLU code 72

- When your register has been programmed for the automatic return mode (by one item):

**Key operation**

1
L2 1
2
TL/NS

**Print**

```
1x 1.20          *1.20
PLU00001
1x 5.30          *5.30
PLU00071
1x 2.50          *2.50
PLU00002

CASH            *9.00
```

Level 1 : PLU code 1, PLU code 2
Level 2 : PLU code 71, PLU code 72

- When your register has been programmed for the lock shift mode:

**Key operation**

L1 1
L2 1
2
TL/NS

**Print**

```
1x 1.20          *1.20
PLU00001
1x 5.30          *5.30
PLU00071
1x 6.10          *6.10
PLU00072

CASH           *12.60
```

# Display of Subtotals

Your register provides the following types of subtotals:

## ■ Subtotal

Press the #/TM/ST key at any point during a transaction. The sales subtotal including tax will appear in the display.

# Finalization of Transaction

## ■ Cash or check tendering

Press the #/TM/ST key to get an including-tax subtotal, enter the amount tendered by your customer, then press the TL/NS key if it is a cash tender or press the CH1 key if it is a check tender. When the amount tendered is greater than the amount of the sale, your register will show the change due amount and the symbol “CHANGE.” Otherwise your register will show the symbol “DUE” and a deficit. Make a correct tender entry.

**Example**

**Cash tendering**

**Key operation**

≀
#/TM/ST
1000 TL/NS

**Print**

```
1x 1.20              *1.20
PLU00001
1x 2.50              *2.50
PLU00002

***TOTAL             *3.70
CASH                *10.00
CHANGE               *6.30
```

**Check tendering**

**Key operation**

≀
#/TM/ST
1000 CH1

**Print**

```
1x 1.20              *1.20
PLU00001
1x 2.50              *2.50
PLU00002

***TOTAL             *3.70
CHECK1              *10.00
CHANGE               *6.30
```

**NOTE** *You can also enter a check tender from the PAYMENT menu window. Press the* PAYMENT MENU *key and select “1 CHECK 2” and enter the amount.*

## ■ Mixed tendering (check + cash)

**Example**

**Key operation**

≀
#/TM/ST
1000 CH1
500 TL/NS

**Print**

```
1x 5.10              *5.10
PLU00010
2x 4.80              *9.60
PLU00008

***TOTAL            *14.70
CHECK1              *10.00
CASH                 *5.00
CHANGE               *0.30
```

## ■ Cash or check sale that does not need any tender entry

Enter items and press the TL/NS key if it is a cash sale or press the CH1 key if it is a check sale. Your register will display the total sales amount.

**Example**

**Key operation**

6
10 PLU/SUB
TL/NS

**Print**

```
1x 3.00              *3.00
PLU00006
1x 7.15              *7.15
PLU00010

CASH                *10.15
```

In the case of check sale

```
1x 3.00              *3.00
PLU00006
1x 7.15              *7.15
PLU00010

CHECK1              *10.15
```

## ■ Credit sale

Enter items and press the CR1 key.

**Example**

**Key operation**

```
    6
    7
#/TM/ST
  CR1
```

**Print**

```
1x 3.00             *3.00
PLU00006
1x 6.00             *6.00
PLU00007

CREDIT1          *9.00
```

**NOTE**

- *Amount tendering operations (i.e. change calculations) can be achieved by the CR1 key when a PGM mode programming allows them.*
- *You can also enter a credit tender from the PAYMENT menu window. Press the PAYMENT MENU key and select “2 CREDIT 2” and enter the amount.*

## ■ Mixed-tender sale (cash or check tendering + credit tendering)

**Example**

**Key operation**

```
        ≀
    #/TM/ST
950 TL/NS
      CR1
```

**Print**

```
1x 1.20             *1.20
PLU00001
1x 2.50             *2.50
PLU00002
3x 3.00             *9.00
PLU00003

***TOTAL          *12.70
CASH                *9.50
CREDIT1             *3.20
```

**NOTE** *Press the CH1 key in place of the TL/NS key when your customer makes payment by checks.*

# Computation of VAT (Value Added Tax)/Tax

## ■ VAT/tax system

The cash register may be programmed for the following six VAT/tax systems. The cash register is pre-programmed as automatic VAT 1-4 system.

**Automatic VAT 1 through 4 system (Automatic operation method using programmed percentages)**
This system, at settlement, calculates VAT for taxable 1, taxable 2, taxable 3, and taxable 4 subtotals by using the corresponding programmed percentages.

**Automatic tax 1 through 4 system (Automatic operation method using programmed percentages)**
This system, at settlement, calculates taxes for taxable 1, taxable 2, taxable 3, and taxable 4 subtotals by using the corresponding programmed percentages, and also adds the calculated taxes to those subtotals, respectively.

**Manual VAT 1 through 4 system (Manual entry method using programmed percentages)**

**Procedure** → #/TM/ST → PAYMENT MENU → 5
select "VAT"

This system provides the VAT calculation for taxable 1, taxable 2, taxable 3, and taxable 4 subtotals. This calculation is performed using the corresponding programmed percentages when "VAT" from the payment menu is selected just after the #/TM/ST key.

**Manual VAT 1 system (Manual entry method for subtotals that uses VAT 1 preset percentages)**

**Procedure**

To use a programmed rate
#/TM/ST → PAYMENT MENU → 5 → VAT rate → TL/NS
select "VAT"

This system enables the VAT calculation for the subtotal. This calculation is performed using the VAT 1 preset percentages when "VAT" from the payment menu is selected just after the #/TM/ST key. For this system, the keyed-in tax rate can be used.

**Manual tax 1 through 4 system (Manual entry method using programmed percentages)**

**Procedure** → #/TM/ST → PAYMENT MENU → 5
select "VAT"

This system provides the tax calculation for taxable 1, taxable 2, taxable 3, and taxable 4 subtotals. This calculation is performed using the corresponding programmed percentages when "VAT" from the payment menu is selected just after the #/TM/ST key. After this calculation, you must finalize the transaction.

**Automatic VAT 1 and tax 2 through 4**
This system enables the calculation in the combination with automatic VAT 1 and tax 2 through 4. This combination can be any of VAT 1 and tax 2 through 4. The tax amount is calculated automatically with the percentages previously programmed for these taxes.

**NOTE** *VAT/tax assignment is printed at the fixed right position of the amount on the receipt and bill as follows:*

*VAT1/tax1 ——> A*
*VAT2/tax2 ——> B*
*VAT3/tax3 ——> C*
*VAT4/tax4 ——> D*

*When the multiple VAT/tax is assigned to a department or a PLU, a smaller number of the VAT/tax will be printed.*

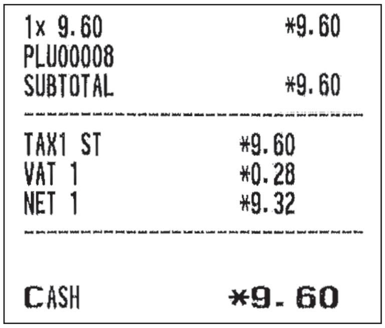
**Example**

**Key operation**

(When the manual VAT 1 through 4 system is selected)

8
#/TM/ST
PAYMENT MENU
5
TL/NS

**Print**



```
1x 9.60              *9.60
PLU00008
SUBTOTAL             *9.60
------------------------------
TAX1 ST          *9.60
VAT 1            *0.28
NET 1            *9.32
------------------------------

CASH             *9.60
```

## ■ VAT shift entries (for XE-A217W/XE-A217B only)

This feature is intended to shift the tax status of a particular department (or PLU) programmed for taxable 1 or taxable 1 and taxable 3.

1. When the VAT shift entry is made for a particular department or PLU programmed for taxable 1, their tax status shifts to taxable 2.
2. When this entry is made for a particular department (or PLU) programmed for taxable 1 and taxable 3, the tax status "taxable 1" remains unchanged, but the other, "taxable 3" is ignored.

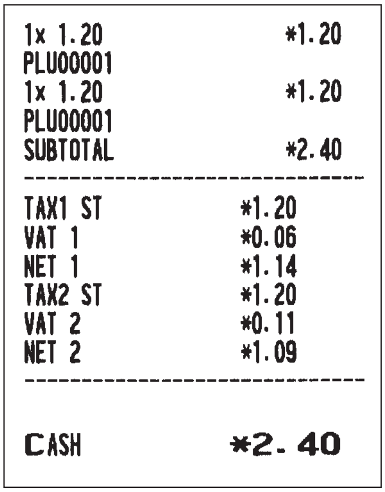
**Example**

**Key operation**

(When the Auto VAT 1 through 4 system is selected)

1
VAT SHIFT
1
TL/NS

**Print**



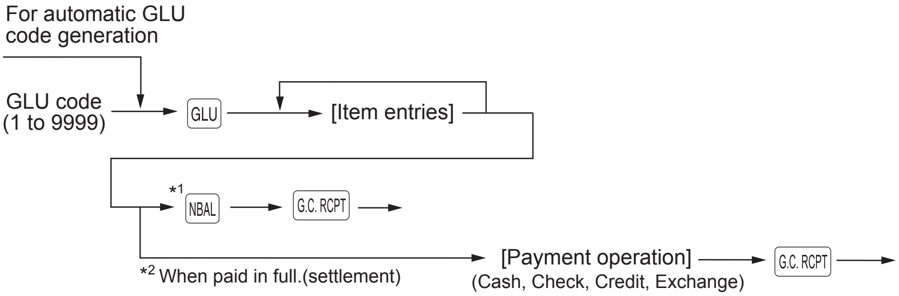
```
1x 1.20              *1.20
PLU00001
1x 1.20              *1.20
PLU00001
SUBTOTAL             *2.40
------------------------------
TAX1 ST          *1.20
VAT 1            *0.06
NET 1            *1.14
TAX2 ST          *1.20
VAT 2            *0.11
NET 2            *1.09
------------------------------

CASH             *2.40
```

# Guest Check

## ■ Guest look up (GLU) system (for XE-A217W/XE-A217B only)

**New guest**

**Procedure**


For automatic GLU code generation
GLU code (1 to 9999)
GLU
[Item entries]
*1
NBAL
G.C. RCPT
*2 When paid in full.(settlement)
[Payment operation]
(Cash, Check, Credit, Exchange)
G.C. RCPT

**NOTE**
- *A clerk must has been registered before starting GLU entry.*
- *The GLU code refers to a code that will be used whenever the guest check must be accessed for re-ordering or final payment.*

*1 The tax is not calculated.
*2 The tax is calculated and is added to the tax totalizer.

**Example**

**Key operation**

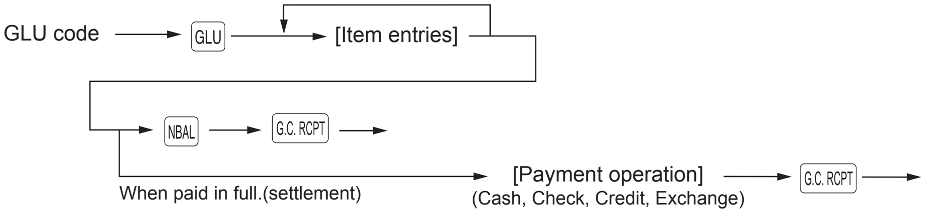
1001 GLU
1
2
NBAL

**Print**

```
GLU#1001
***PBAL               *0.00
1x 1.20               *1.20
PLU00001
1x 2.50               *2.50
PLU00002
***NBAL               *3.70
```

### Additional ordering

**Procedure**


GLU code
GLU
[Item entries]
NBAL
G.C. RCPT
When paid in full.(settlement)
[Payment operation]
(Cash, Check, Credit, Exchange)
G.C. RCPT

**Example**

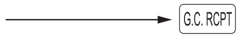
| Key operation | Print |
|---|---|
| 1001 GLU<br>7<br>TL/NS | |

```
GLU#1001

        *BILL*

1x 1.20              *1.20
PLU00001
1x 2.50              *2.50
PLU00002
1x 6.00              *6.00
PLU00007
CASH                 *9.70
```

## ■ Table bill copy print (for XE-A217W/XE-A217B only)

This function is used for issuing a table bill copy to the guest.

**Procedure**



**Example**

| Key operation | Print |
|---|---|
| G.C. RCPT | |

```
        *COPY*
        *BILL*

1x 1.20              *1.20
PLU00001
1x 2.50              *2.50
PLU00002
1x 6.00              *6.00
PLU00007
CASH                 *9.70
```

# Auxiliary Entries

## Percent calculations (premium or discount)

- Your register provides percent calculations for a subtotal or each item entry depending on the programming.
- Percentage: 0.01 to 100.00%

### Percent calculation for a subtotal

**Example**

**Key operation**

(When a discount of 10% is programmed for the %1 key.)

3
2 ⊗
5
#/TM/ST
%1
TL/NS

**Print**

```
1x 3.00              *3.00
PLU00003
2x 6.50             *13.00
PLU00005
SUBTOTAL            *16.00
%1        -10.00%    -1.60

CASH               *14.40
```

### Percent calculation for item entries

**Example**

**Key operation**

(When a premium of 15% is programmed for the %1 key.)

6
%1
30 PLU/SUB
7 • 5 %1
TL/NS

**Print**

```
1x 8.00              *8.00
PLU00006
%1         15.00%    *1.20
1x 5.00              *5.00
PLU00030
%1          7.50%    *0.38

CASH               *14.58
```

**NOTE**

- *You can also enter a percent calculation from the function menu window. Press the FUNC MENU key and select "2 %2" for XE-A217 and enter a percent calculation. For XE-A177/XE-A207, select "3 %2" and enter a percent calculation.*
- *Availability of item % and/or subtotal % depends on the programming data of %1 and %2.*

## ■ Discount entries

Your register allows you to deduct a certain amount less than a programmed upper limit after the entry of an item or the computation of a subtotal depending on the programming.

**Discount for a subtotal**

**Example**

**Key operation**

6
60 PLU/SUB
#/TM/ST
100 ⊖
TL/NS

**Print**

```
1x 5.75              *5.75
PLU00006
1x 12.00            *12.00
PLU00060
SUBTOTAL            *17.75
(-)                  -1.00

CASH               *16.75
```

**Discount for item entries**

**Example**

**Key operation**

7 PLU/SUB
75 ⊖
TL/NS

**Print**

```
1x 6.00              *6.00
PLU00007
(-)                  -0.75

CASH                *5.25
```

## ■ Refund entries

For a refund entry, press the RF key just before you press a department key, DEPT# key, direct PLU key (XE-A217W/XE-A217B only) or PLU/SUB key. The operation before pressing the RF key is the same as the one of normal operation.
For example, if a refund item is the one entered into a department, enter the amount of the refund, then press the RF key and the corresponding department key in this order; if an item entered into a PLU is returned, enter the corresponding PLU code, then press the RF and PLU/SUB keys.

**Example**

**Key operation**

RF 3
7 ⊗
7 RF PLU/SUB
TL/NS

**Print**

```
-1x 3.00             R-3.00
PLU00003
-7x 6.00            R-42.00
PLU00007

CHANGE             *45.00
```

## ■ Printing of non-add code numbers

Enter a non-add code number such as a guest code number within a maximum of 16 digits and press the #/TM/ST key at any point during the entry of a sale. The non-add code is printed on the receipt.

**Example**

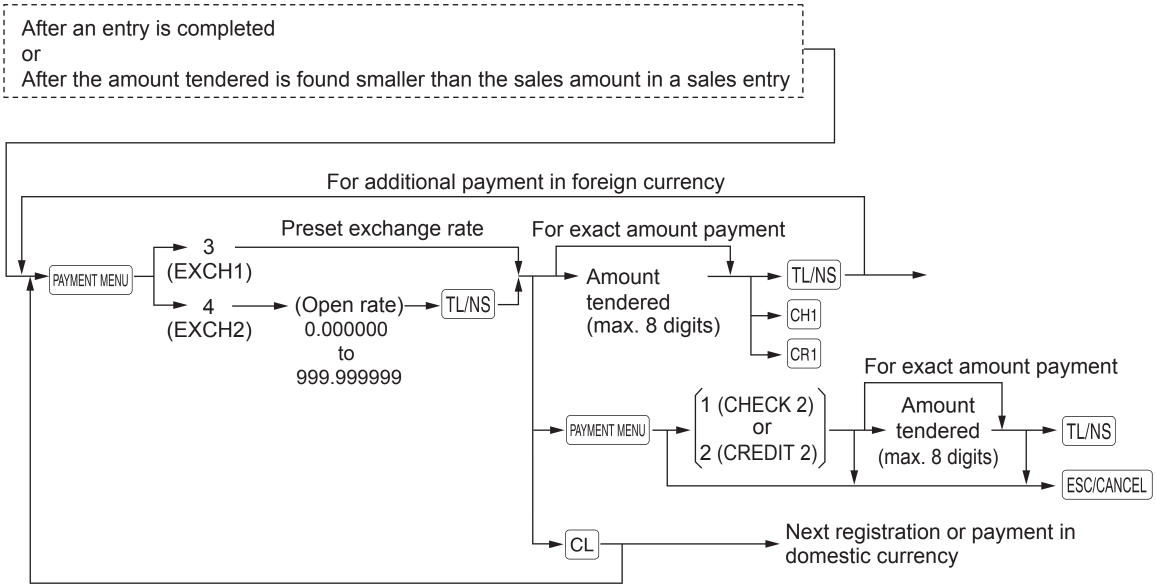
| Key operation | Print |
|---|---|
| 1230 #/TM/ST<br>700 1<br>CR1 | #0000000000001230<br>1x 7.00 *7.00<br>DPT.01<br>CREDIT1 *7.00 |

# Payment Treatment

## ■ Currency exchange

Your register allows payment entries in foreign currency. Press the PAYMENT MENU key, and select either option of EXCH1 or EXCH2 to create a subtotal in foreign currency.

**Procedure**

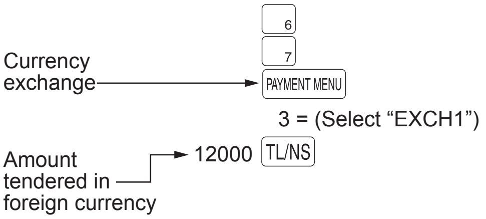

After an entry is completed
or
After the amount tendered is found smaller than the sales amount in a sales entry
For additional payment in foreign currency
PAYMENT MENU
Preset exchange rate
3 (EXCH1)
4 (EXCH2)
(Open rate) 0.000000 to 999.999999
TL/NS
For exact amount payment
Amount tendered (max. 8 digits)
TL/NS
CH1
CR1
PAYMENT MENU
1 (CHECK 2) or 2 (CREDIT 2)
For exact amount payment
Amount tendered (max. 8 digits)
TL/NS
ESC/CANCEL
CL
Next registration or payment in domestic currency

**NOTE**
- *When the amount tendered is short, its equivalent in deficit is shown in domestic currency.*
- *Change amount will be displayed in domestic currency.*
- *Availability of credit and cheque tendering depends on the programming. (Only for the exchange 1 )*

**Example**

**Preset exchange rate (1.550220) :EX1**

**Key operation** | **Print**

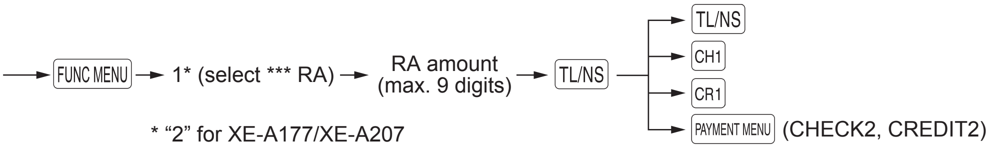

6
7
Currency exchange
PAYMENT MENU
3 = (Select "EXCH1")
Amount tendered in foreign currency
12000 TL/NS

```
1x 23.00          *23.00
PLU00006
1x 46.50          *46.50
PLU00007

***TOTAL          *69.50
EXCH1           1.550220
                  107.74
CASH              120.00
CHANGE             *7.90
```

## ■ Received-on-account entries

From the FUNCTION MENU, select RA option to proceed the operation. You cannot receive RA in foreign currency.

**Procedure**


FUNC MENU
1* (select *** RA)
RA amount (max. 9 digits)
TL/NS
TL/NS
CH1
CR1
PAYMENT MENU
(CHECK2, CREDIT2)

* "2" for XE-A177/XE-A207

**Example**

**Key operation**

12345 #/TM/ST
FUNC MENU
1* (select *** RA)
4800 TL/NS
CH1

* "2" for XE-A177/XE-A207

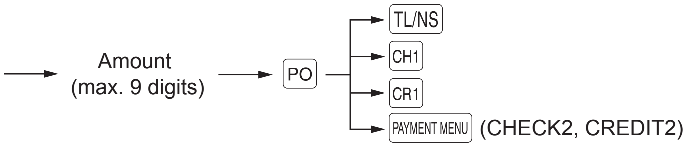
**Print**

```
#0000000000012345
CHECK1
***RA             *48.00
```

## ■ Paid-out entries

You can make a payment by cash, check or credit.

**Procedure**


Amount (max. 9 digits)
PO
TL/NS
CH1
CR1
PAYMENT MENU
(CHECK2, CREDIT2)

**Example**

**Key operation**

6789 #/TM/ST
3000 PO
TL/NS

**Print**

```
#0000000000006789
CASH
***PO             *30.00
```

## ■ No-sale (exchange)

Simply press the `TL/NS` key without any entry. The drawer will open and the printer will print “NO SALE” on the receipt. If you let your machine print a non-add code number before pressing the `TL/NS` key, a no sale entry is achieved with a non-add code number printed.

**Print**

```
NO SALE
```

## ■ Cashing a check

When you need to cash a check, enter the check amount and press a check key (`CH1`).

**Example**

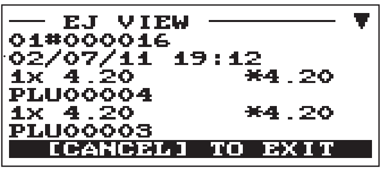
| Key operation | Print |
|---|---|
| 6789 `#/TM/ST`<br>3000 `CH1` | #0000000000006789<br>CA/CHK *30.00 |

# Electronic Journal View

The transaction data is kept in the electronic journal memory.

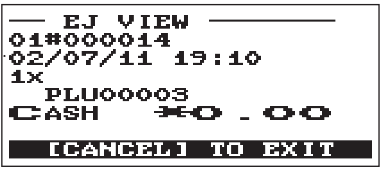
To display the journal data, press the `EJ VIEW` key, the last transaction data is displayed.
To retroact to past transaction data, press the `EJ VIEW` key repeatedly.

`EJ VIEW`



```
— EJ VIEW ———————— ▼
01#000016
02/07/11 19:12
1x 4.20         *4.20
PLU00004
1x 4.20         *4.20
PLU00003
  [CANCEL] TO EXIT
```

`EJ VIEW`



```
— EJ VIEW ————————
01#000014
02/07/11 19:10
1x
  PLU00003
CASH    *0.00

  [CANCEL] TO EXIT
```

To exit the electronic journal view, press the `ESC/CANCEL` key.

# TRAINING Mode

The training mode is used when the operator or the manager practices register operations.

When a clerk set in training is selected, the register automatically enters the training mode, while a clerk not set in training is selected, the register automatically enters the ordinary REG mode. A training text and a training clerk can be programmed.

The training operations are valid in all modes.
A mark which is identifying a training receipt is printed on the receipt which is issued in the training mode.

The consecutive number is not updated. The preceding number is repeated in printing.

Training clerk programming is performed in PGM mode.(It allows only for 1 Clerk.)
The memory in clerk is updated in the training mode. Other memories are not updated.
The GLU codes which are opened in the training mode are also printed on the GLU report. In this case, those GLU codes are distinguished from others by the character of “T.” The data of training GLU codes are not added to the total.

The reading and resetting of training clerks is printed on the clerk reports. However, the sales total of training clerks is not included in the clerk total on the full clerk report.

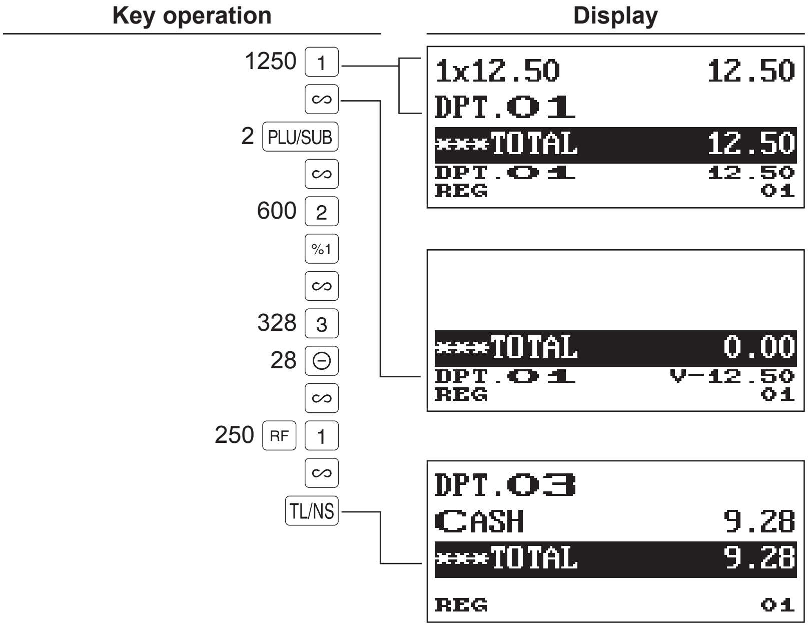
| Key operation | Print |
|---|---|
| [Selecting the clerk set in training]<br>5<br>3 ⊗<br>3<br>TL/NS | TRAINING<br>1x 2.25 *2.25<br>PLU00005<br>3x 4.20 *12.60<br>PLU00003<br><br>CASH *14.85 |

# 5 Correction

## Correction of the Last Entry (Direct Void)

If you make an incorrect entry relating to a department, PLU/subdepartment, percentage (%1, %2), discount (⊖), or item refund, you can void this entry by pressing the ∽ key immediately.

**Example**


Key operation
Display
1250 1
∽
2 PLU/SUB
∽
600 2
%1
∽
328 3
28 ⊖
∽
250 RF 1
∽
TL/NS
1x12.50 12.50
DPT.01
***TOTAL 12.50
DPT.01 12.50
REG 01
***TOTAL 0.00
DPT.01 V-12.50
REG 01
DPT.03
CASH 9.28
***TOTAL 9.28
REG 01

# Correction of the Next-to-Last or Earlier Entries (Indirect Void)

If you find an incorrect entry before finalizing the transaction (e.g. before pressing the TL/NS key), you can void the entry by the cursor operation or the key sequence operation.

**Indirect void by cursor operation**

You can void department, PLU/subdepartment, item refund, amount discount/premium and percent entries.

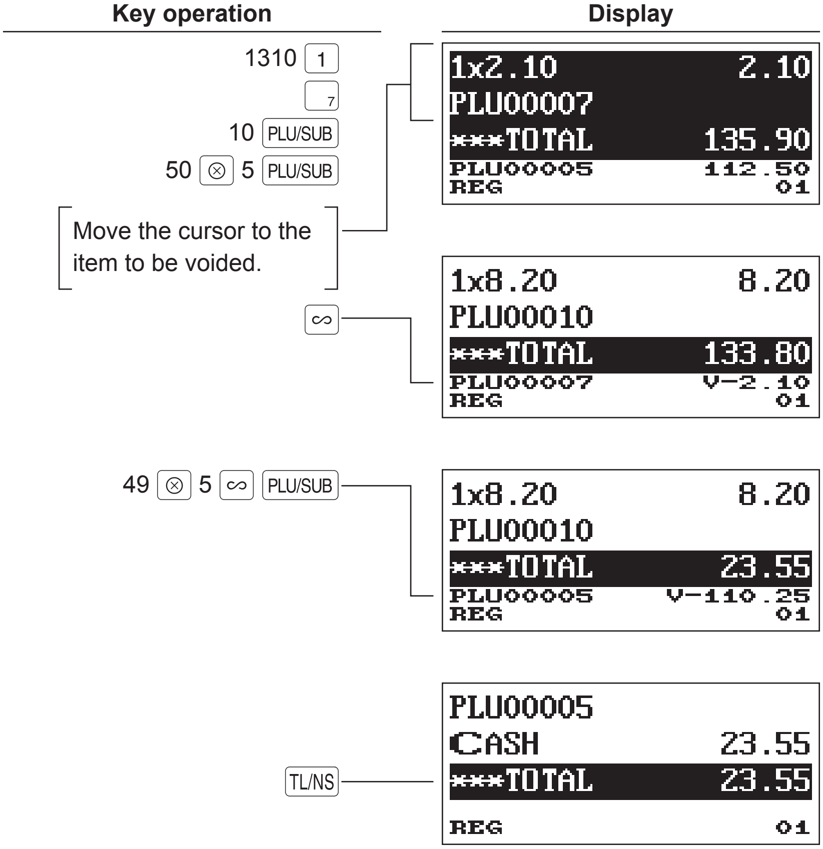
Move the cursor to the item to be voided, and press the ∽ key.

**Indirect void by key sequence operation**

You can void department, PLU/subdepartment and item refund.

Press the ∽ key just before you press a department key, DEPT# key, direct PLU key or PLU/SUB key. For the refund indirect void, press the ∽ key after you press the RF key.

**Example** (Indirect void by cursor operation)



| Key operation | Display |
|---|---|
| 1310 1<br>7<br>10 PLU/SUB<br>50 ⊗ 5 PLU/SUB<br>Move the cursor to the item to be voided. | 1x2.10 2.10<br>PLU00007<br>***TOTAL 135.90<br>PLU00005 112.50<br>REG 01 |
| ∽ | 1x8.20 8.20<br>PLU00010<br>***TOTAL 133.80<br>PLU00007 V-2.10<br>REG 01 |
| 49 ⊗ 5 ∽ PLU/SUB | 1x8.20 8.20<br>PLU00010<br>***TOTAL 23.55<br>PLU00005 V-110.25<br>REG 01 |
| TL/NS | PLU00005<br>CASH 23.55<br>***TOTAL 23.55<br>REG 01 |

# Subtotal Void

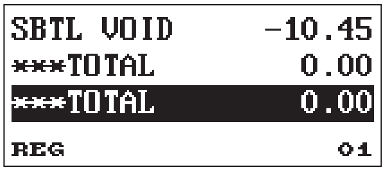
You can void an entire transaction.  Once subtotal void is executed, the transaction is aborted and the register issues a receipt.

**Example**

**Key operation**

1
2
10 PLU/SUB
Subtotal void
#/TM/ST
∽
#/TM/ST

**Display**



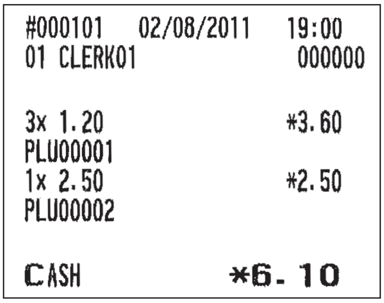
```
SBTL VOID       -10.45
***TOTAL          0.00
***TOTAL          0.00
REG                 01
```

# Correction after Finalizing a Transaction

When you need to void incorrect entries that are found after finalizing a transaction or cannot be corrected by direct, indirect or subtotal void, follow this procedure.

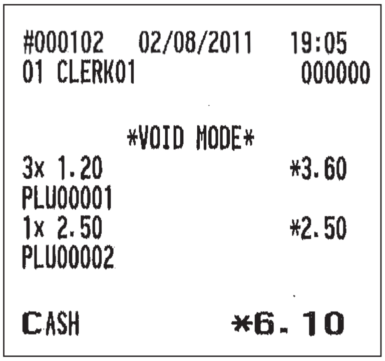
1. Select “3 VOID MODE” in the mode selection window.
2. Repeat the entries that are recorded on an incorrect receipt. (All data in the incorrect receipt is removed from register memory; the voided amounts are added to the void mode totalizer.)

**Incorrect receipt**



```
#000101   02/08/2011   19:00
01 CLERK01            000000

3x 1.20              *3.60
PLU00001
1x 2.50              *2.50
PLU00002

CASH             *6.10
```

**Cancellation receipt**



```
#000102   02/08/2011   19:05
01 CLERK01            000000

         *VOID MODE*
3x 1.20              *3.60
PLU00001
1x 2.50              *2.50
PLU00002

CASH             *6.10
```

**NOTE** *Your register leaves the VOID mode whenever a transaction is canceled (i.e. finalized in the VOID mode).  To void additional transactions, repeat steps 1 and 2 above.*

# 6 Special Printing Function

## Copy Receipt Printing

If your customer wants a receipt after you have finalized a transaction with the receipt ON-OFF function in the OFF status (no receipting), press the FUNC MENU key and “4” key for receipting (for XE-A217). Your register can also print a copy receipt when the receipt ON-OFF function is in the “ON” status.
For XE-A177/XE-A207, press the FUNC MENU key and “5” key.

**Procedure**

**XE-A217W/XE-A217B**

FUNC MENU ⟶ 4 (Select “RCPT”)

**XE-A177/XE-A207W/XE-A207B**

FUNC MENU ⟶ 5 (Select “RCPT”)

**Example** Printing a receipt after making the entries shown below with the receipt ON-OFF function “OFF” status

**Key operation**

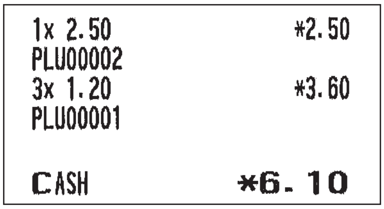
2
3 ⊗
1
TL/NS

For receipting ⟶ FUNC MENU
4*

* “5” for XE-A177/XE-A207

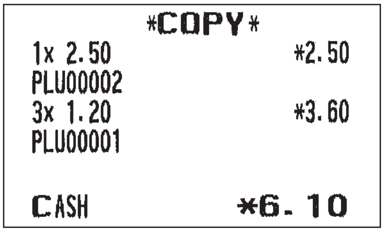
**Print**

Print on the receipt



```
1x 2.50          *2.50
PLU00002
3x 1.20          *3.60
PLU00001

CASH            *6.10
```

“COPY” is printed on the copy receipt.



```
        *COPY*
1x 2.50          *2.50
PLU00002
3x 1.20          *3.60
PLU00001

CASH            *6.10
```

# Guest Check Receipt (Bill Print)

You can use this function when you want to take a bill for guest check.

**Procedure**

**XE-A217W/XE-A217B**

→ G.C. RCPT

**XE-A177/XE-A207W/XE-A207B**

→ FUNC MENU → 1 (select "G.C.RCPT")

**NOTE**
- *This function is available immediately after the finalization of transaction.*
- *You can also print the bill copy on receipt only once. When you want to take a bill copy, operate it again.*

**Example**

**Key operation**

10 ⊗ 1
TL/NS
G.C. RCPT

**Print**

```
         *BILL*

10x 1.20              *12.00
PLU00001
CASH                 *12.00
```

**Key operation**

G.C. RCPT

**Print**

```
         *COPY*
         *BILL*

10x 1.20              *12.00
PLU00001
CASH                 *12.00
```

# 7 Manager Mode

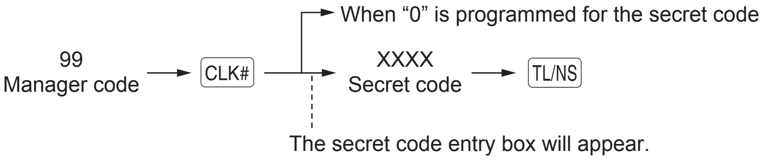
The manager mode is used when managerial decisions must be made concerning register entries, for example, for overriding limitations and for other various non-programming managerial tasks.

**NOTE** *Normal register operations may also be performed in this mode.*

## Entering the Manager Mode

To enter the manager mode, use the following procedure in the REG mode:

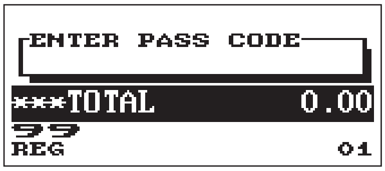
**Procedure**


When "0" is programmed for the secret code
99
Manager code
CLK#
XXXX
Secret code
TL/NS
The secret code entry box will appear.

**Example**

If the code is correct, the register enters the manager mode.

**Display**



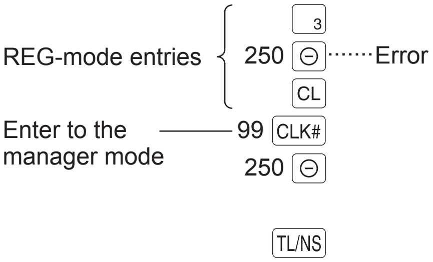
```
ENTER PASS CODE
***TOTAL            0.00
99
REG                   01
```

## Override Entries

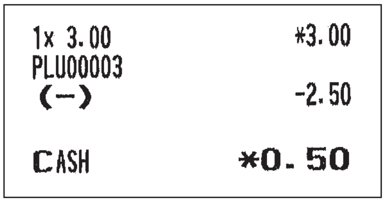
Programmed limits (such as maximum amounts) for functions can be overridden by placing the register in the manager mode.

**Example** This example presumes that the register has been programmed not to allow coupon entries over 2.00.

**Key operation**


REG-mode entries
3
250 ⊖ ……Error
CL
Enter to the manager mode
99 CLK#
250 ⊖
TL/NS

**Print**



```
1x 3.00          *3.00
PLU00003
(−)              -2.50

CASH             *0.50
```

**NOTE**
- *When a transaction is finalized, manager is automatically signed off.*
- *In the initial programming, the HALO function is programmed as "INVALID".*

# 8

# Reading (X) and Resetting (Z) of Sales Totals

- Use the reading function (X) when you need to take the reading of sales information entered after the last resetting. You can take this reading any number of times. It does not affect the register's memory.
- Use the resetting function (Z) when you need to clear the register's memory. Resetting prints all sales information and clears the entire memory except for the GT1 through GT3, reset count, and consecutive number.
- X1 and Z1 reports show daily sales information. You can take these reports in the X1/Z1 mode.
- X2 and Z2 reports show periodic (monthly) consolidation information. You can take these reports in the X2/Z2 mode.
- In the OPXZ mode, a clerk can take his or her report.
- If you want to stop the printing report, press the ESC/CANCEL key.

## ■ How to take a X1/Z1 or X2/Z2 report

**[To take an X1 or X2 report:]**

1. Press the MODE key.
2. Select the "4 X1/Z1 MODE" or "5 X2/Z2 MODE" by using the ↓ key, and press the TL/NS key.
3. Select "2 READING" in the X1/Z1 mode or select "1 READING" in the X2/Z2 mode menu window and press in both cases the TL/NS key to display the items list.
4. Select the appropriate report title.
5. Press the TL/NS key.

**[To take a Z1 or Z2 report:]**

1. Press the MODE key.
2. Select the "4 X1/Z1 MODE" or "5 X2/Z2 MODE" by using the ↓ key, and press the TL/NS key.
3. Select "3 RESETTING" in the X1/Z1 mode or select "2 RESETTING" in the X2/Z2 mode menu window and press in both cases the TL/NS key to display the items list.
4. Select the appropriate report title.
5. Press the TL/NS key.

## ■ Flash report

You can take flash reports (display only) in the X1/Z1 mode for department sales, cash in drawer (CID) and sales total at the point you take the report.

1. Press the MODE key.
2. Select the "4 X1/Z1 MODE" by using the ↓ key, and press the TL/NS key.
3. Select the "1 FLASH READ" ,and press the TL/NS key.
4. Select "1 DEPT. SALES" to take a flash report of department sales, "2 CID" to take a flash report of cash in drawer, or "3 SALES TOTAL" to take a flash report of sales total.
5. Press the TL/NS key.

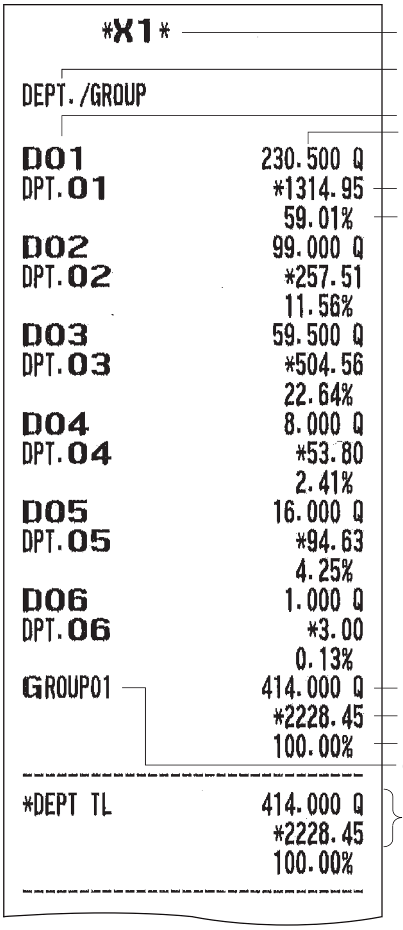
| Item | Mode | | | | | |
|---|---|---|---|---|---|---|
| | OPXZ | | X1/Z1 | | X2/Z2 | |
| | X | Z | X | Z | X | Z |
| General report | | | ○ | ○ | ○ | ○ |
| PLU report by designated range | | | ○ | ○ | | |
| PLU report by associated department | | | ○ | ○ | | |
| Individual clerk report | ○ | ○ | ○ | ○ | | |
| All clerk report | | | ○ | ○ | | |
| Hourly report | | | ○ | ○ | | |
| GLU report * | | | ○ | ○ | | |
| GLU report by clerk* | | | ○ | ○ | | |
| Balance report * | | | ○ | | | |
| Flash report | | | ○ | | | |

*: For XE-A217W/XE-A217B only

# Daily Sales Totals

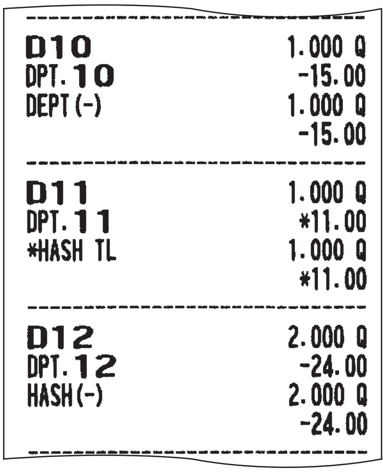
## General report

### • Sample X report



```
       *X1*

DEPT./GROUP

D01                  230.500 Q
DPT.01                *1314.95
                        59.01%
D02                   99.000 Q
DPT.02                 *257.51
                        11.56%
D03                   59.500 Q
DPT.03                 *504.56
                        22.64%
D04                    8.000 Q
DPT.04                  *53.80
                         2.41%
D05                   16.000 Q
DPT.05                  *94.63
                         4.25%
D06                    1.000 Q
DPT.06                   *3.00
                         0.13%
GROUP01              414.000 Q
                      *2228.45
                       100.00%
------------------------------
*DEPT TL             414.000 Q
                      *2228.45
                       100.00%
------------------------------
```

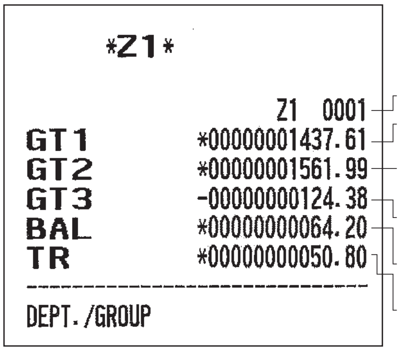
Read symbol
Report title
Dept. code
Sales q’ty
Dept. description and sales amount
Ratio of dept. 1 sales amount to “+” dept. total
Group 1 total q’ty
Group 1 total amount
Ratio of dept. group 1 sales amount to “+” dept. total
Group 1 text
“+” dept. sales q’ty and total



```
------------------------------
D10                    1.000 Q
DPT.10                  -15.00
DEPT(-)                1.000 Q
                        -15.00
------------------------------
D11                    1.000 Q
DPT.11                  *11.00
*HASH TL               1.000 Q
                        *11.00
------------------------------
D12                    2.000 Q
DPT.12                  -24.00
HASH(-)                2.000 Q
                        -24.00
------------------------------
```

“-” dept. sales q’ty and total
"Hash "+" dept.sales q’ty and total
"Hash "-" dept.sales q’ty and total

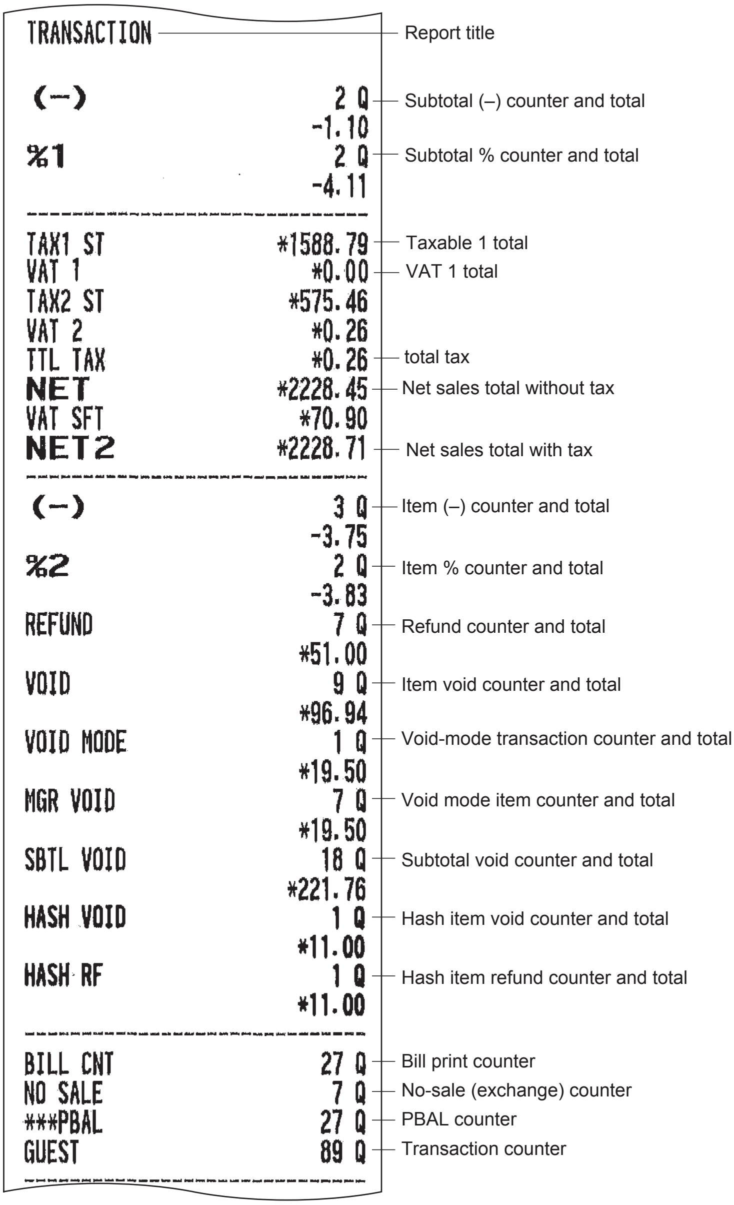
### • Sample Z report



```
       *Z1*

                    Z1   0001
GT1     *00000001437.61
GT2     *00000001561.99
GT3     -00000000124.38
BAL     *00000000064.20
TR      *00000000050.80
------------------------------
DEPT./GROUP
```

Reset counter
Net grand total (GT2-GT3)
Grand total of plus registration
Grand total of minus registration
Order - paid total
Grand total of training-mode registrations

The subsequent printout occurs in the same format as in the sample X1 report.



```
TRANSACTION

(-)                    2 Q
                    -1.10
%1                     2 Q
                    -4.11
-------------------------------
TAX1 ST           *1588.79
VAT 1                *0.00
TAX2 ST            *575.46
VAT 2                *0.26
TTL TAX              *0.26
NET               *2228.45
VAT SFT             *70.90
NET2              *2228.71
-------------------------------
(-)                    3 Q
                    -3.75
%2                     2 Q
                    -3.83
REFUND                 7 Q
                    *51.00
VOID                   9 Q
                    *96.94
VOID MODE              1 Q
                    *19.50
MGR VOID               7 Q
                    *19.50
SBTL VOID             18 Q
                   *221.76
HASH VOID              1 Q
                    *11.00
HASH RF                1 Q
                    *11.00
-------------------------------
BILL CNT              27 Q
NO SALE                7 Q
***PBAL               27 Q
GUEST                 89 Q
-------------------------------
```

Report title

Subtotal (–) counter and total

Subtotal % counter and total

Taxable 1 total

VAT 1 total

total tax

Net sales total without tax

Net sales total with tax

Item (–) counter and total

Item % counter and total

Refund counter and total

Item void counter and total

Void-mode transaction counter and total

Void mode item counter and total

Subtotal void counter and total

Hash item void counter and total

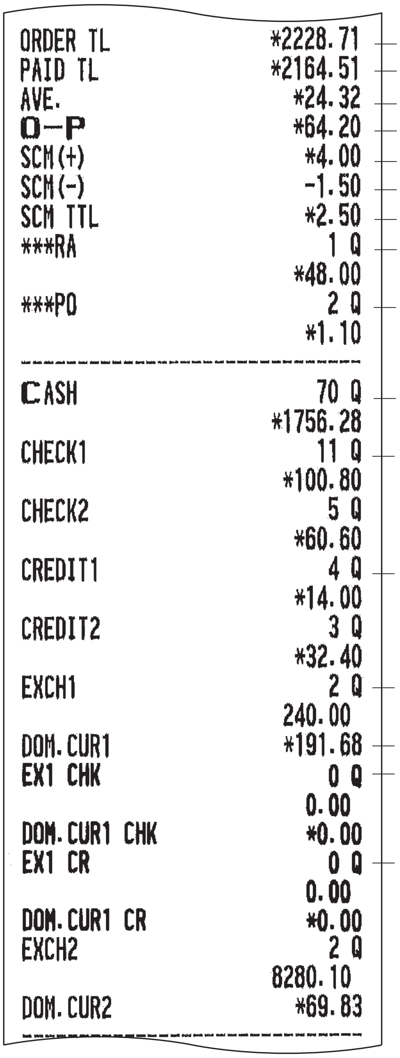
Hash item refund counter and total

Bill print counter

No-sale (exchange) counter

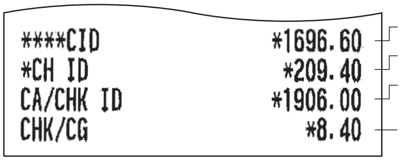
PBAL counter

Transaction counter



```
ORDER TL          *2228.71
PAID TL           *2164.51
AVE.                *24.32
O-P                 *64.20
SCM(+)               *4.00
SCM(-)               -1.50
SCM TTL              *2.50
***RA                  1 Q
                    *48.00
***PO                  2 Q
                     *1.10
--------------------------
CASH                  70 Q
                  *1756.28
CHECK1                11 Q
                   *100.80
CHECK2                 5 Q
                    *60.60
CREDIT1                4 Q
                    *14.00
CREDIT2                3 Q
                    *32.40
EXCH1                  2 Q
                   240.00
DOM.CUR1           *191.68
EX1 CHK                0 Q
                     0.00
DOM.CUR1 CHK         *0.00
EX1 CR                 0 Q
                     0.00
DOM.CUR1 CR          *0.00
EXCH2                  2 Q
                  8280.10
DOM.CUR2            *69.83
--------------------------
```

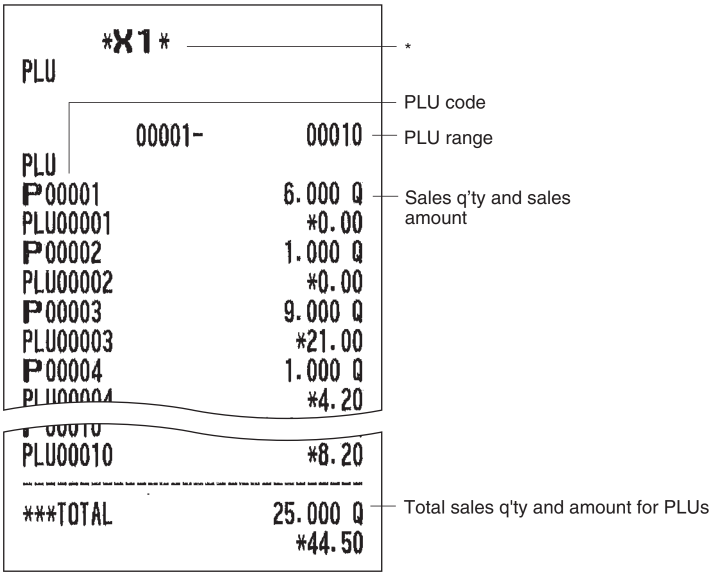
Order total
Paid total
Paid total average per transaction counter
Order total – paid total
Starting cash memory (+)
Starting cash memory (–)
Starting cash memory total
Received-on-acount counter and total
Paid-out counter and total
Cash counter and total
Check 1 sale counter and total
Credit 1 sale and tendering counter and total
Exchange 1 cash counter and total
Domestic currency for exchange 1 total
Exchange 1 check counter and total
Exchange 1 credit counter and total
(Exchange1:for the programmed rate
Exchange2:for the open rate)



```
****CID           *1696.60
*CH ID             *209.40
CA/CHK ID         *1906.00
CHK/CG               *8.40
```

Cash in drawer
Check in drawer
Cash+check in drawer
Change total for check tendering

## ■ PLU report by designated range



```
      *X1*
PLU

        00001-          00010
PLU
P00001               6.000 Q
PLU00001               *0.00
P00002               1.000 Q
PLU00002               *0.00
P00003               9.000 Q
PLU00003              *21.00
P00004               1.000 Q
PLU00004               *4.20
P00010
PLU00010               *8.20
-----------------------------
***TOTAL            25.000 Q
                      *44.50
```

*

PLU code

PLU range

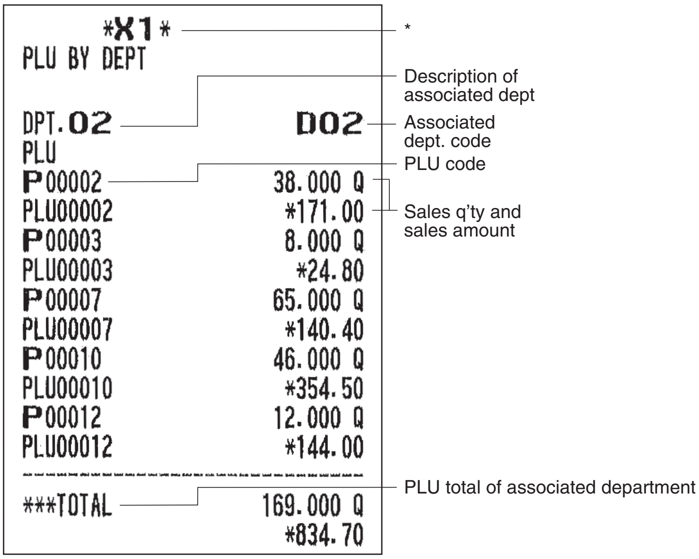
Sales q'ty and sales amount

Total sales q'ty and amount for PLUs

* When you take a Z report, "Z1" is printed instead of "X1."

**NOTE** *In case of a PLU X report only header information is stored in the Electronic Journal file.*

## ■ PLU report by associated department



```
      *X1*
PLU BY DEPT

DPT.02                   D02
PLU
P00002              38.000 Q
PLU00002             *171.00
P00003               8.000 Q
PLU00003              *24.80
P00007              65.000 Q
PLU00007             *140.40
P00010              46.000 Q
PLU00010             *354.50
P00012              12.000 Q
PLU00012             *144.00
-----------------------------
***TOTAL           169.000 Q
                     *834.70
```

*

Description of associated dept

Associated dept. code

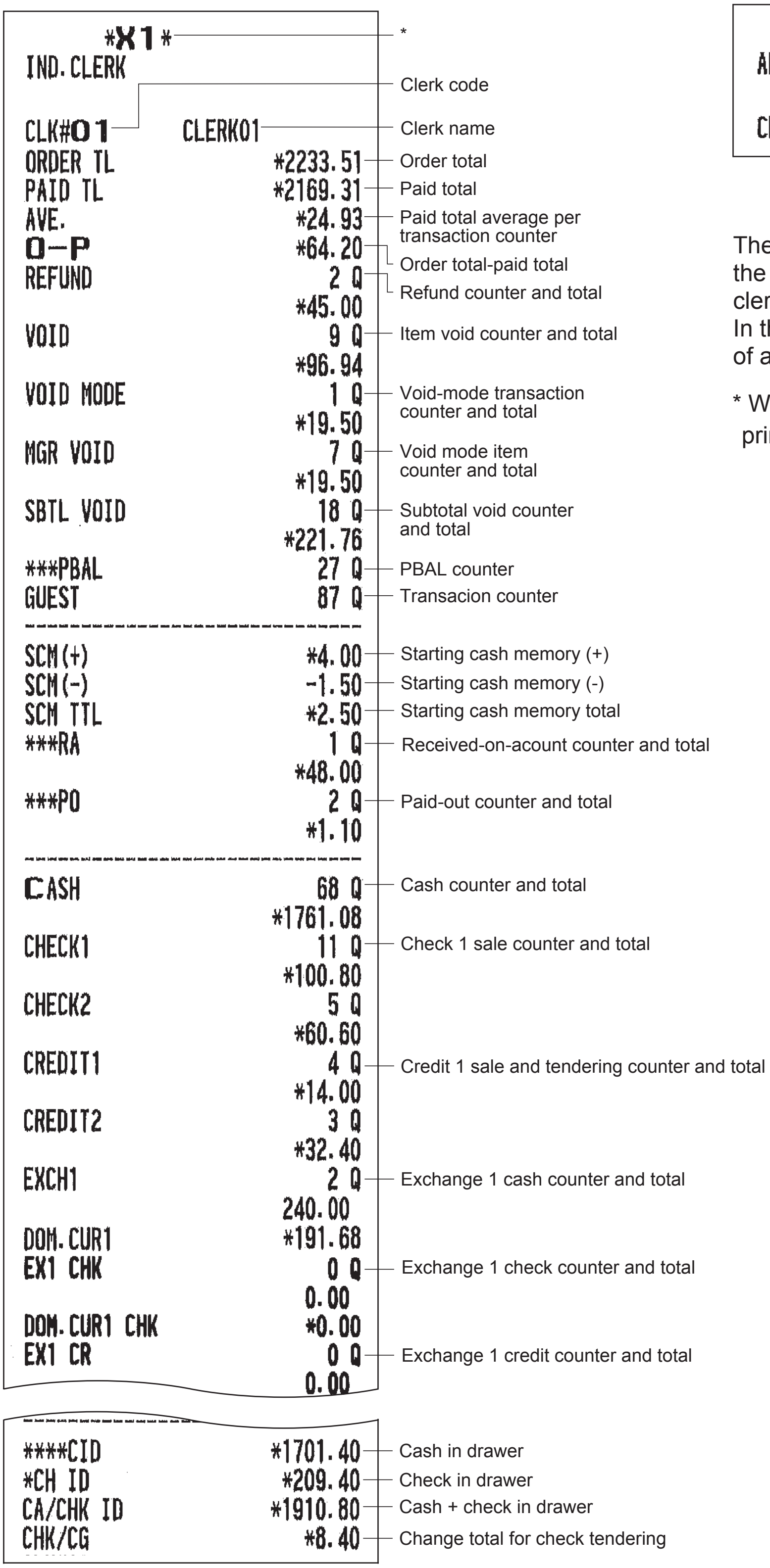
PLU code

Sales q'ty and sales amount

PLU total of associated department

* When you take a Z report, "Z1" is printed instead of "X1."

## ■ Individual clerk report

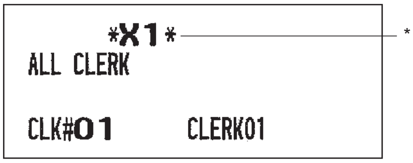


```
        *X1*
IND.CLERK

CLK#01      CLERK01
ORDER TL           *2233.51
PAID TL            *2169.31
AVE.                 *24.93
O-P                  *64.20
REFUND                  2 Q
                     *45.00
VOID                    9 Q
                     *96.94
VOID MODE               1 Q
                     *19.50
MGR VOID                7 Q
                     *19.50
SBTL VOID              18 Q
                    *221.76
***PBAL                27 Q
GUEST                  87 Q
---------------------------
SCM(+)                *4.00
SCM(-)                -1.50
SCM TTL               *2.50
***RA                   1 Q
                     *48.00
***PO                   2 Q
                      *1.10
---------------------------
CASH                   68 Q
                   *1761.08
CHECK1                 11 Q
                    *100.80
CHECK2                  5 Q
                     *60.60
CREDIT1                 4 Q
                     *14.00
CREDIT2                 3 Q
                     *32.40
EXCH1                   2 Q
                    240.00
DOM.CUR1            *191.68
EX1 CHK                 0 Q
                      0.00
DOM.CUR1 CHK          *0.00
EX1 CR                  0 Q
                      0.00

---------------------------
****CID            *1701.40
*CH ID              *209.40
CA/CHK ID          *1910.80
CHK/CG                *8.40
```

*
Clerk code
Clerk name
Order total
Paid total
Paid total average per transaction counter
Order total-paid total
Refund counter and total
Item void counter and total
Void-mode transaction counter and total
Void mode item counter and total
Subtotal void counter and total
PBAL counter
Transacion counter
Starting cash memory (+)
Starting cash memory (-)
Starting cash memory total
Received-on-acount counter and total
Paid-out counter and total
Cash counter and total
Check 1 sale counter and total
Credit 1 sale and tendering counter and total
Exchange 1 cash counter and total
Exchange 1 check counter and total
Exchange 1 credit counter and total
Cash in drawer
Check in drawer
Cash + check in drawer
Change total for check tendering

* When you take a Z report, “Z1” is printed instead of “X1.”

## ■ All clerk report

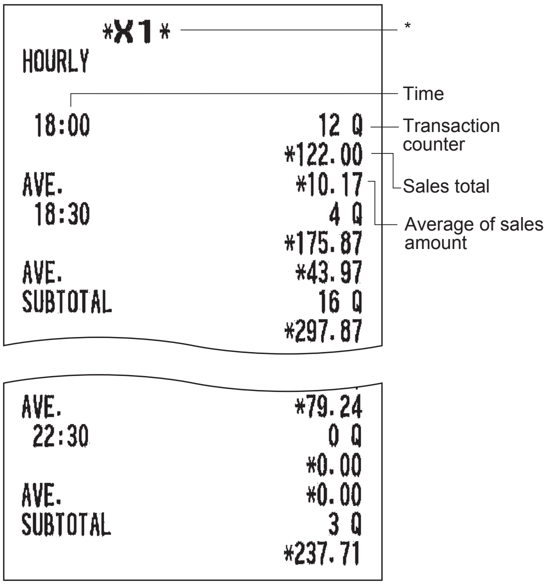


```
        *X1*
ALL CLERK

CLK#01      CLERK01
```

The subsequent printout occurs in the same format as in the individual clerk report from the clerk #1.
In the all clerk report, the total sales of all clerks are also printed.

* When you take a Z report, “Z1” is printed instead of “X1.”

## ■ Hourly report

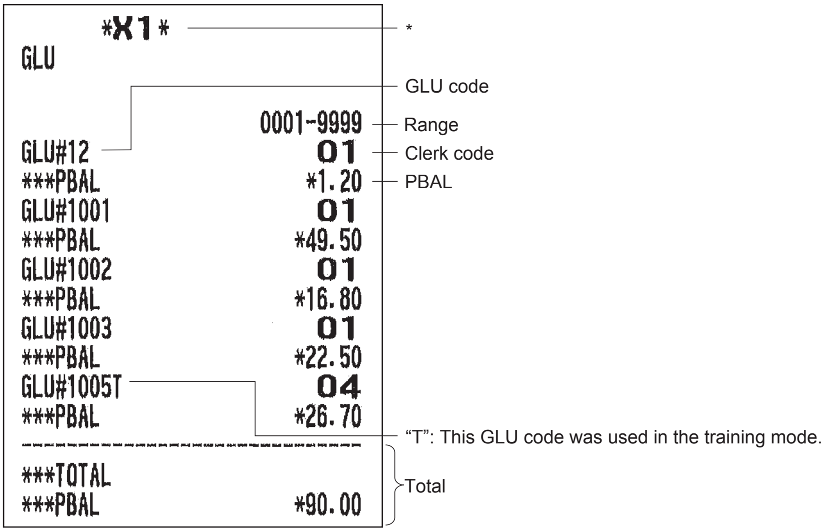


```
      *X1*
HOURLY

 18:00                 12 Q
                    *122.00
AVE.                 *10.17
 18:30                  4 Q
                    *175.87
AVE.                 *43.97
SUBTOTAL               16 Q
                    *297.87

AVE.                 *79.24
 22:30                  0 Q
                      *0.00
AVE.                  *0.00
SUBTOTAL                3 Q
                    *237.71
```

*
Time
Transaction counter
Sales total
Average of sales amount

* When you take a Z report, “Z1” is printed instead of “X1.”

## ■ GLU report (for XE-A217W/XE-A217B only)

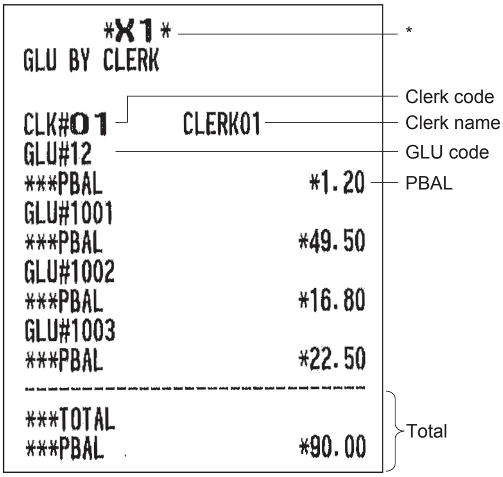


```
      *X1*
GLU

                  0001-9999
GLU#12                   01
***PBAL               *1.20
GLU#1001                 01
***PBAL              *49.50
GLU#1002                 01
***PBAL              *16.80
GLU#1003                 01
***PBAL              *22.50
GLU#1005T                04
***PBAL              *26.70
---------------------------
***TOTAL
***PBAL              *90.00
```

*
GLU code
Range
Clerk code
PBAL
“T”: This GLU code was used in the training mode.
Total

* When you take a Z report, “Z1” is printed instead of “X1.”

## ■ GLU report by clerk (for XE-A217W/XE-A217B only)

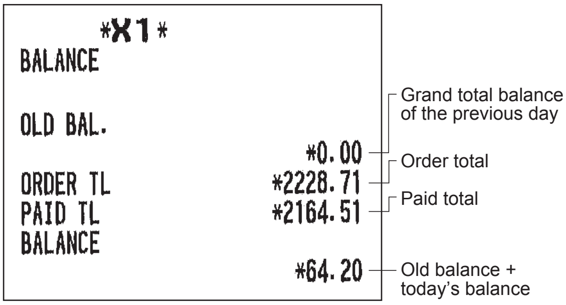


```
      *X1*
GLU BY CLERK

CLK#01       CLERK01
GLU#12
***PBAL                  *1.20
GLU#1001
***PBAL                 *49.50
GLU#1002
***PBAL                 *16.80
GLU#1003
***PBAL                 *22.50
------------------------------
***TOTAL
***PBAL                 *90.00
```

*
Clerk code
Clerk name
GLU code
PBAL
Total

* When you take a Z report, “Z1” is printed instead of “X1.”

## ■ Balance report (for XE-A217W/XE-A217B only)



```
      *X1*
BALANCE

OLD BAL.
                         *0.00
ORDER TL              *2228.71
PAID TL               *2164.51
BALANCE
                        *64.20
```

Grand total balance of the previous day
Order total
Paid total
Old balance + today’s balance

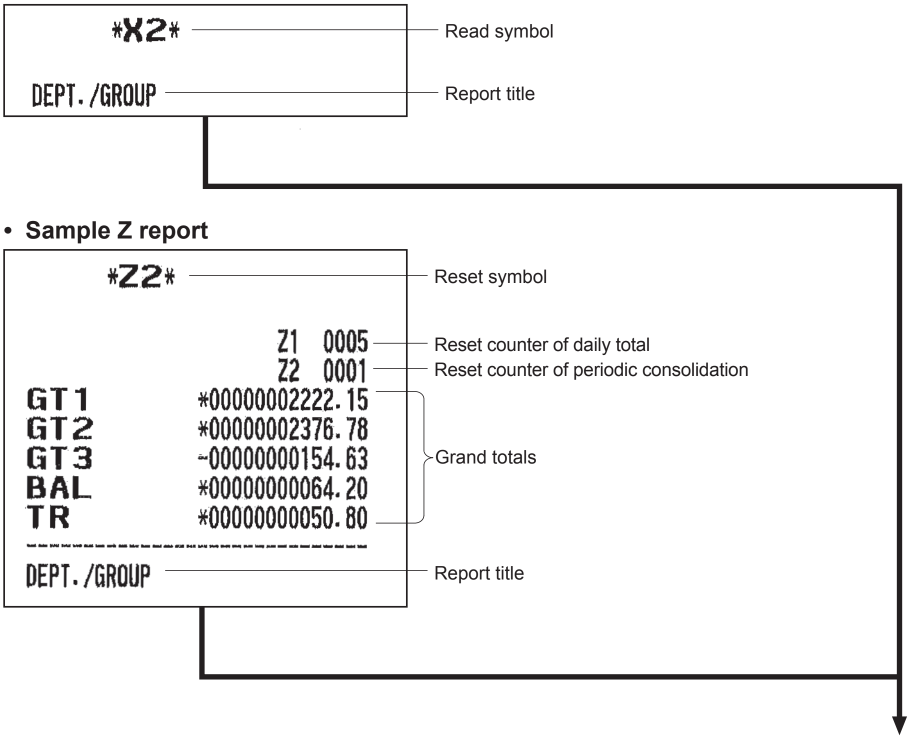
# Periodic Report Sample

Your register allows you to take consolidation X and Z reports of a chosen period (the period is usually one week or month).

## ■ General information

The periodic reading or resetting reports are the same in format as those in the X1/Z1 report for daily sales information except mode indication (“X2” or “Z2”).

- **Sample X report**



```
      *X2*

DEPT./GROUP
```

Read symbol
Report title

- **Sample Z report**

```
      *Z2*

              Z1   0005
              Z2   0001
GT1        *00000002222.15
GT2        *00000002376.78
GT3        -00000000154.63
BAL        *00000000064.20
TR         *00000000050.80
--------------------------
DEPT./GROUP
```

Reset symbol
Reset counter of daily total
Reset counter of periodic consolidation
Grand totals
Report title

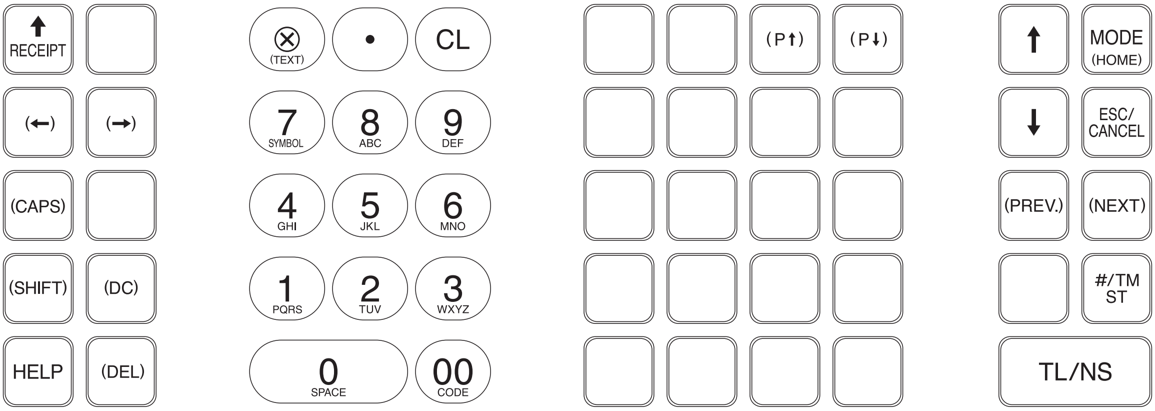
The subsequent items are printed out in the same format as in the X/Z report on daily totals.

# 9 Prior to Programming

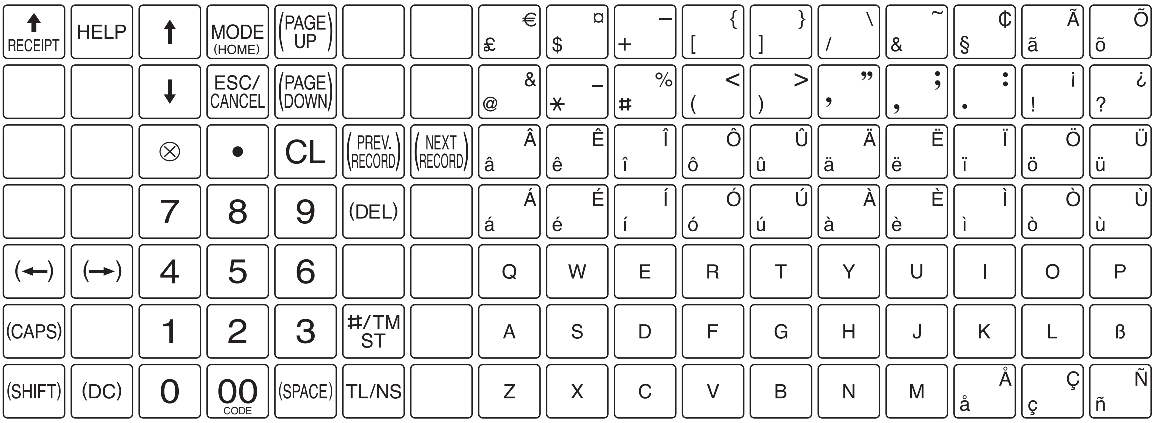
When you are in the PGM mode, the keyboard layout will be set to one of the programming layouts as shown below.

## Programming Keyboard Layout

**XE-A177/XE-A207W/XE-A207B**


↑ RECEIPT
⊗ (TEXT)
•
CL
(P↑)
(P↓)
↑
MODE (HOME)
(←)
(→)
7 SYMBOL
8 ABC
9 DEF
↓
ESC/ CANCEL
(CAPS)
4 GHI
5 JKL
6 MNO
(PREV.)
(NEXT)
(SHIFT)
(DC)
1 PQRS
2 TUV
3 WXYZ
#/TM ST
HELP
(DEL)
0 SPACE
00 CODE
TL/NS

**XE-A217W/XE-A217B**


↑ RECEIPT
HELP
↑
MODE (HOME)
PAGE UP
€ £
¤ $
− +
{ [
} ]
\ /
~ &
₵ §
Ã ã
Õ õ
↓
ESC/ CANCEL
PAGE DOWN
& @
_ ∗
% #
< (
> )
” ’
; ,
: .
¡ !
¿ ?
⊗
•
CL
PREV. RECORD
NEXT RECORD
Â â
Ê ê
Î î
Ô ô
Û û
Ä ä
Ë ë
Ï ï
Ö ö
Ü ü
7
8
9
(DEL)
Á á
É é
Í í
Ó ó
Ú ú
À à
È è
Ì ì
Ò ò
Ù ù
(←)
(→)
4
5
6
Q
W
E
R
T
Y
U
I
O
P
(CAPS)
1
2
3
#/TM ST
A
S
D
F
G
H
J
K
L
ß
(SHIFT)
(DC)
0
00 CODE
(SPACE)
TL/NS
Z
X
C
V
B
N
M
Å å
Ç ç
Ñ ñ

SHIFT DC DEL CAPS SPACE TEXT : Used for programming characters. For more information about programming characters, see the section “How to Program Alphanumeric Characters.”

← → ↑ ↓ : Used to move the cursor.

TL/NS : Used to program each setting and to finalize programming.

ESC/CANCEL : Used to cancel programming and to get back to the previous screen.

PREV. or PREV. RECORD : Used to go back to the previous record, e.g., from the department 2 programming window back to the department 1 programming window.

NEXT or NEXT RECORD : Used to go to the next record, for example, in order to program unit prices for sequential departments.

P↓ or PAGE DOWN : Used to scroll the window to go to the next page.

P↑ or PAGE UP : Used to scroll the window to go back to the previous page.

CL : Used to clear the last setting you have programmed or clear the error state.

• : Used to toggle between two or more options.

#/TM ST : Used to list those options which you can toggle by the • key.

DEL : Used to delete a record.

Numeric keys : Used for entering figures.

# How to Program Alphanumeric Characters

This section discusses how to program alphanumeric characters for various texts.

## ■ Mobile phone method (XE-A177/XE-A207W/XE-A207B only)

### Entering alphanumeric characters

To enter a character, simply press a corresponding character key on the programming keyboard.

To enter “A”, press the “8” key.
To enter “B”, press the “8” key twice.
To enter “C”, press the “8” key three times.

### Entering double-size characters

DC : This key toggles the double-size character mode and the normal-size character mode. The default is the normal-size character mode. When the double-size character mode is selected, the letter “W” appears at the bottom of the display.

### Entering upper-case letters

SHIFT : You can enter an upper-case letter by using this key. Press this key just before you enter the upper-case letter. You should press this key each time you enter an upper-case letter.

CAPS : You can lock the upper-case letter mode once the this key is pressed.

### Entering space

SPACE : Enter a space in the cursor position.

### To move the cursor

← → : Moves the cursor.

### To delete a character or figure

DEL : Deletes a character or figure in the cursor position.

### To change the text input mode

TEXT : This key toggles the text input mode, Alphabet(A),European character (Ä), numeral (1), and symbol (✱).

## ■ PC keyboard method (XE-A217W/XE-A217B)
## (Key sheet layout)

You can enter a character using the primary character are located on PLU direct key area.

### Entering double-size characters

DC : This key toggles the double-size character mode and the normal-size character mode. The default is the normal-size character mode. When the double-size character mode is selected, the letter “W” appears at the bottom of the display.

### Entering upper-case letters

SHIFT : You can enter an upper-case letter by using this key. Press this key just before you enter the upper-case letter. You should press this key each time you enter an upper-case letter.

CAPS : You can lock the upper-case letter mode once the this key is pressed.

### Entering space

SPACE : Enter a space in the cursor position.

### To move the cursor

← → : Moves the cursor.

### To delete a character or figure

DEL : Deletes a character or figure in the cursor position.

## ■ Entering character codes

Numerals, letters and symbols are programmable by entering the [00] key and character codes. Use the following procedure with the cursor placed at the position where you want to enter characters:

To enter a digit, simply press a corresponding numeric key.

⟶ [00] ⟶ XXX    XXX : character code (3 digits)

Character code:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 032 - 047 | 032 | 033 | 034 | 035 | 036 | 037 | 038 | 039 | 040 | 041 | 042 | 043 | 044 | 045 | 046 | 047 |
| | | ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / |
| 048 - 063 | 048 | 049 | 050 | 051 | 052 | 053 | 054 | 055 | 056 | 057 | 058 | 059 | 060 | 061 | 062 | 063 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? |
| 064 - 079 | 064 | 065 | 066 | 067 | 068 | 069 | 070 | 071 | 072 | 073 | 074 | 075 | 076 | 077 | 078 | 079 |
| | @ | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
| 080 - 095 | 080 | 081 | 082 | 083 | 084 | 085 | 086 | 087 | 088 | 089 | 090 | 091 | 092 | 093 | 094 | 095 |
| | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ | _ |
| 096 - 111 | 096 | 097 | 098 | 099 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 |
| | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o |
| 112 - 127 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 |
| | p | q | r | s | t | u | v | w | x | y | z | { | ¦ | } | ~ | ⌂ |
| 128 - 143 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
| | Ç | ü | é | â | ä | à | å | ç | ê | ë | è | ï | î | ì | Ä | Å |
| 144 - 159 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 |
| | É | æ | Æ | ô | ö | ò | û | ù | ÿ | Ö | Ü | ø | £ | Ø | × | ƒ |
| 160 - 175 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 |
| | á | í | ó | ú | ñ | Ñ | ª | º | ¿ | ® | č | ½ | ¼ | ¡ | « | » |
| 176 - 191 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 |
| | ░ | ▒ | ▓ | │ | ď | Á | Â | À | © | ě | ║ | ň | ř | ¢ | ¥ | š |
| 192 - 207 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 |
| | ť | ů | ž | Č | ─ | Ď | ã | Ã | Ě | Ň | Ř | Š | Ť | ═ | Ů | ¤ |
| 208 - 223 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 |
| | ð | Đ | Ê | Ë | È | € | Í | Î | Ï | Ž | ┌ | █ | ▄ | ¦ | Ì | ▀ |
| 224 - 239 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 |
| | Ó | ß | Ô | Ò | õ | Õ | µ | þ | Þ | Ú | Û | Ù | ý | Ý | ¯ | ´ |
| 240 - 255 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 |
| | - | ± | ‗ | ¾ | ¶ | § | ÷ | ¸ | ° | ¨ | · | ¹ | ³ | ² | ■ | (DC) |

*(DC) : Double-size character code

# 10 Programming

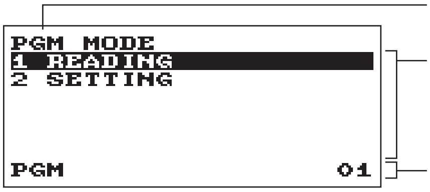
This chapter explains how to program various items.
Before you start programming, press the MODE key and select the "6 PGM MODE" or "7 SD CARD MODE" by using the ↓ key and press the TL/NS key.

## Basic Instructions

This section illustrates the basic programming by using an example of programming for departments.

### ■ Programming screen

Opening screen: When you select the "6 PGM MODE", your display will show a programming opening screen corresponding to the mode you selected.



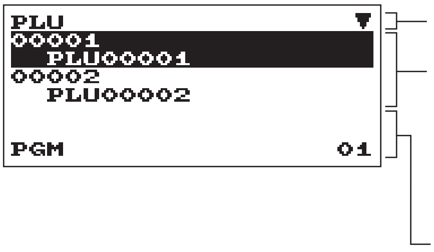
```
PGM MODE
1 READING
2 SETTING



PGM                    01
```

Mode you are in

Programming menu: Use the cursor keys or numeric key to select an option, and press the TL/NS key.

Numeric entry and status information area

Code selecting screen (Dept. PLU):



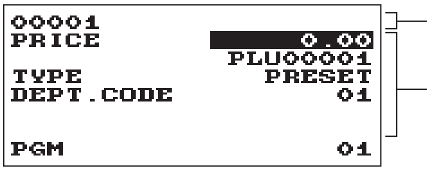
```
PLU                     ▼
00001
   PLU00001
00002
   PLU00002

PGM                    01
```

Selected menu

Code number and its description
(In case of PLU, two lines are used for one code, upper line - code, lower line - description.)
Use the cursor keys or numeric keys to select an option, and press the TL/NS key.

Numeric entry and status information area

Programming screen:



```
00001
PRICE                0.00
                 PLU00001
TYPE               PRESET
DEPT.CODE              01

PGM                    01
```

Selected code

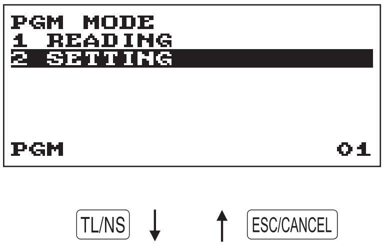
Setting items:
Use the cursor keys to select an item.
To select an option, follow the instruction shown below.

Numeric entry: Use numeric keys
Character entry: Use character keys
Selective entry: Press • key to toggle options or press the #/TM/ST key to show the option list. Use the cursor keys to move the cursor and press the #/TM/ST or TL/NS key to select it.

## Programming example

The following example shows how to program 2.00 for the unit price, “ABCDE” for the description, and “non-taxable 1” for department 1.

**Procedure**



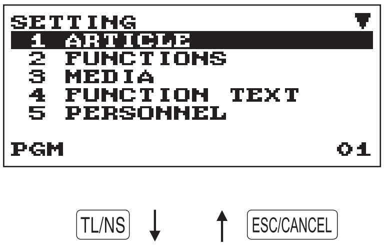
```
PGM MODE
1 READING
2 SETTING



PGM                01
```

**1.** In the PGM MODE screen, select “2 SETTING” by using the ↓ key and press the TL/NS key.

- The SETTING screen will appear.

**NOTE**

- *You can also select “2 SETTING” by using numeric key “2,” then press the* TL/NS *key.*
- *If you return to the previous screen, press the* ESC/CANCEL *key.*



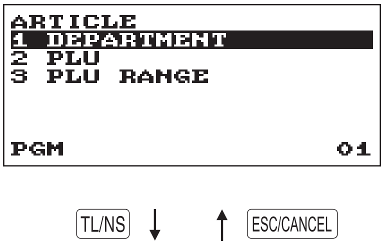
```
SETTING                ▼
 1 ARTICLE
 2 FUNCTIONS
 3 MEDIA
 4 FUNCTION TEXT
 5 PERSONNEL
PGM                01
```

**2.** Select “1 ARTICLE.”

- The ARTICLE screen will appear.

**NOTE**

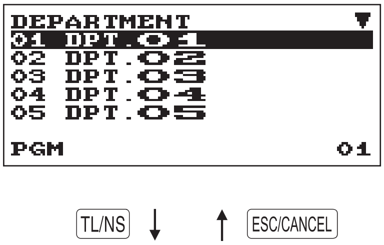
*The arrow mark in the upper-right corner of the window shows that the window contains more options than are now on the screen. To scroll the window, press the* ↓ *key (* (PAGE DOWN) *key).*
*To return to the previous page, press the* ↑ *key (* (PAGE UP) *key).*



```
ARTICLE
1 DEPARTMENT
2 PLU
3 PLU RANGE


PGM                01
```

**3.** Select “1 DEPARTMENT.”

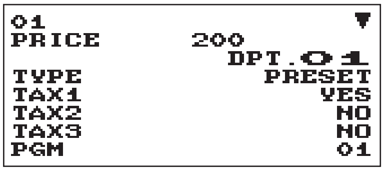
- The DEPARTMENT screen will appear, listing programmable departments.



```
DEPARTMENT             ▼
01 DPT.01
02 DPT.02
03 DPT.03
04 DPT.04
05 DPT.05
PGM                01
```

**4.** Select “01 DPT.01” to program for department 1.

- The “01” window will appear.

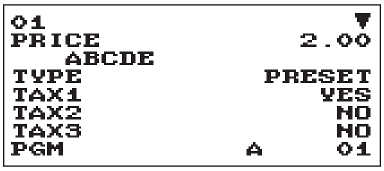


```
01                         ▼
PRICE          200
                  DPT.01
TYPE               PRESET
TAX1                  YES
TAX2                   NO
TAX3                   NO
PGM                    01
```

5. On the first page of the “01” window, program the unit price and description as follows:

**NOTE**

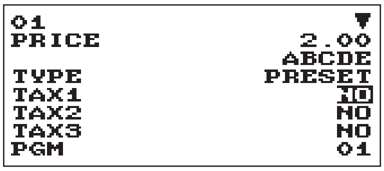
*There are three entry patterns for the programming: the numeric entry, character entry, and selective entry.*



```
01                         ▼
PRICE                  2.00
   ABCDE
TYPE               PRESET
TAX1                  YES
TAX2                   NO
TAX3                   NO
PGM               A    01
```

- Move the cursor to “PRICE,” enter “200” by using numeric keys. →Numeric entry
- Move the cursor to “DPT.01” enter “ABCDE” by using character keys. →Character entry

If you want to clear setting, press the CL key before you press the ↓ key, (PAGE DOWN) key , ↑ key, (PAGE UP) key or TL/NS key.



```
01                         ▼
PRICE                  2.00
                      ABCDE
TYPE               PRESET
TAX1                   NO
TAX2                   NO
TAX3                   NO
PGM                    01
```

6. Press the ↓ key twice to move to the cursor to “TAX 1”, then program the machine to set “non-taxable 1” as follows:

   - Press the • key to select “NO.” →Selective entry

**NOTE**

*The • key toggles between two options as follows:*
*NO→YES→NO→....*
*Pressing the #/TM/ST key displays all pertinent options.*

7. Select one of the following actions:

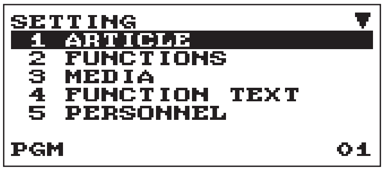
   - To cancel the programming, press the ESC/CANCEL key. A confirmation window appears to ask you whether to save the data; select the option you prefer.
   - To finalize the programming, press the TL/NS key, then press the ESC/CANCEL key. You will return to the “DEPARTMENT” window.
   - To program for the following department, press the (NEXT RECORD) (or (NEXT)) key. The “02” window will appear. To return to the “01” window, press the (PREV. RECORD) (or (PREV.)) key.

The following sections describe how to program each item which is contained in a programming group.

# Article Programming

Use the following procedure to select any option included in the article programming group:

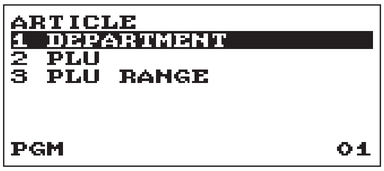
**Procedure**



```
SETTING                    ▼
 1 ARTICLE
 2 FUNCTIONS
 3 MEDIA
 4 FUNCTION TEXT
 5 PERSONNEL

PGM                       01
```

**1.** In the SETTING window, select “1 ARTICLE.”
- The ARTICLE window will appear.

TL/NS ↓ ↑ ESC/CANCEL

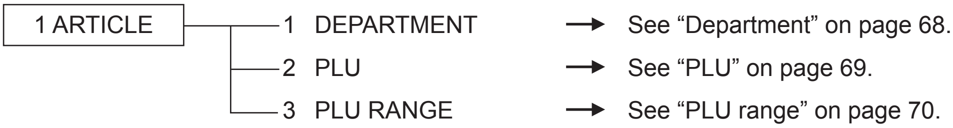


```
ARTICLE
1 DEPARTMENT
2 PLU
3 PLU RANGE


PGM                       01
```

**2.** Select any option from the following options list.

| | | |
|---|---|---|
| 1 | `DEPARTMENT:` | Departments |
| 2 | `PLU:` | PLUs |
| 3 | `PLU RANGE:` | A range of PLUs |

The following illustration shows those options included in this programming group.



1 ARTICLE
- 1 DEPARTMENT → See “Department” on page 68.
- 2 PLU → See “PLU” on page 69.
- 3 PLU RANGE → See “PLU range” on page 70.

## ■ Department

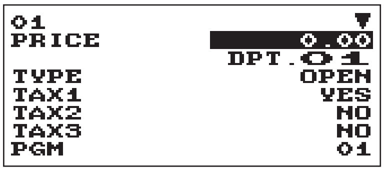
The register can be equipped with maximum of 99 departments.
Use the following procedure to program for department.

**NOTE** *To delete a department item in the "DEPARTMENT" window, select the item and press the* DEL *key. A confirmation window appears to ask you whether to delete the item, select the option you prefer.*

**Procedure**

Select a pertinent dept. code from the departments list.

▼



```
01                 ▼
PRICE           0.00
              DPT.01
TYPE            OPEN
TAX1             YES
TAX2              NO
TAX3              NO
PGM               01
```

The screen continues.

Program each item as follows:

**NOTE**

*For more information about the entry patterns, see the “Basic Instructions” section.*

- **PRICE (Use the numeric entry)**
  Unit price (max. 8 digits)
- **Description (Use the character entry)**
  Description for a department. Up to 16 characters can be entered. (Default text: DPT.nn)
- **TYPE (Use the selective entry)**
  Type of unit price entry for departments

| | |
|---|---|
| INHIBIT: | Inhibited |
| OPEN: | Open only |
| PRESET: | Preset only |
| OPEN & PRESET: | Open & preset |

- **TAX1 through 4 (Use the selective entry)**
  Taxability
  YES : Taxable
  NO : Non-taxable

**NOTE** *The tax system of your register has been factory-set to automatic VAT1 - 4.*

- **SICS (Use the selective entry)**
  YES: SICS department
  NO: Normal department
- **GROUP No. (Use the numeric entry)**

| | |
|---|---|
| 01-09: | Plus department |
| 10: | Minus department |
| 11: | Plus hash department |
| 12: | Minus hash department |

- **HALO (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

**NOTE** *In the initial programming, the HALO function is programmed as "INVALID".*

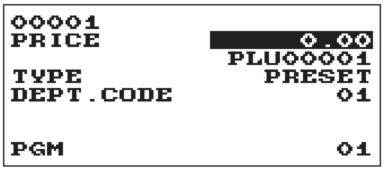
## PLU

**NOTE** *To delete a PLU item in the "PLU" window, select the item and press the* DEL *key. A confirmation window appears to ask you whether to delete the item, select the option you prefer.*

**Procedure**

Select a pertinent PLU code.

▼



```
00001
PRICE                0.00
                 PLU00001
TYPE               PRESET
DEPT.CODE              01

PGM                    01
```

Program each item as follows:

- **PRICE (Use the numeric entry)**
  Unit price of each price level (max. 8 digits)
- **Description (Use the character entry)**
  Description for a PLU. Up to 16 characters can be entered.
  (Default text: PLUnnnnn)
- **TYPE (Use the selective entry)**
  Type of unit price entry for PLU

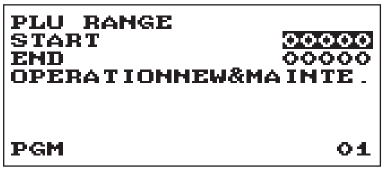
| | |
|---|---|
| INHIBIT: | Inhibited |
| OPEN: | Open only |
| PRESET: | Preset only |
| OPEN & PRESET: | Open & preset |

- **DEPT. CODE (Use the numeric entry)**
  Department code to be associated with the entered PLU
  (01 through 99)
  When a PLU is associated with a department, the following functions of the PLU depend on the programming for the department.
  - Grouping (group 1 through 12)
  - Single item cash sale
  - HALO (only for subdepartments)
  - Taxability

## ■ PLU range

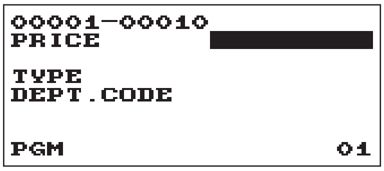
You can program PLUs in the designated range.

Procedure



```
PLU RANGE
START                00000
END                  00000
OPERATIONNEW&MAINTE.


PGM                     01
```

▼



```
00001-00010
PRICE

TYPE
DEPT.CODE


PGM                     01
```

Enter a value or select an option for each item as follows:

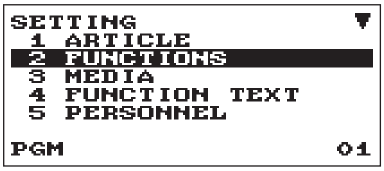
- **START (Use the numeric entry)**
  Starting PLU code (max. 5 digits)
- **END (Use the numeric entry)**
  Ending PLU code (max. 5 digits)
- **OPERATION (Use the selective entry)**

| | |
|---|---|
| DELETE: | Enables you to delete a specified range of PLUs. |
| MAINTE.: | Enables you to change the setting you have programmed. |
| NEW&MAINTE.: | Enables you to change the current setting when the specified codes have already been created or to create new codes when the specified codes have not been created yet. |

# Functional Programming

Use the following procedure to select any option included in the functional programming group:

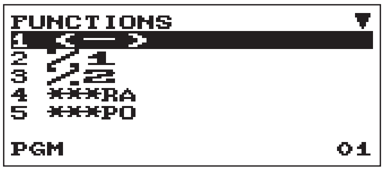
**Procedure**


SETTING
1 ARTICLE
2 FUNCTIONS
3 MEDIA
4 FUNCTION TEXT
5 PERSONNEL
PGM
01

**1.** In the SETTING window, select “2 FUNCTIONS.”

- The FUNCTIONS window will appear.

▼


FUNCTIONS
1 (−)
2 %1
3 %2
4 ***RA
5 ***PO
PGM
01

The screen continues.

**2.** Select any option from the following options list.

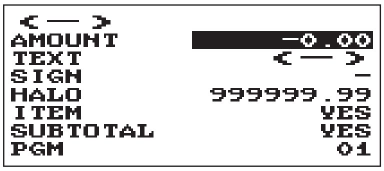
| | | |
|---|---|---|
| 1 | (-) | Discount |
| 2 | %1 | Percent 1 |
| 3 | %2 | Percent 2 |
| 4 | ***RA | Received on account |
| 5 | ***PO | Paid out |
| 6 | ****CID | Cash in drawer |
| 7 | CHK/CG | Check change |
| 8 | CA/CHK | Check cashing |

The following illustration shows those options included in this programming group.

| 2 FUNCTIONS | | | |
|---|---|---|---|
| | 1 | (-) | → See “Discount (⊖)” on page 72. |
| | 2 | %1 | → See “Percent (%1 , %2)” on page 73. |
| | 3 | %2 | → See “Percent (%1 , %2)” on page 73. |
| | 4 | ***RA | → See “RA” on page 73. |
| | 5 | ***PO | → See “PO” on page 74. |
| | 6 | ****CID | → See “CID (Cash in drawer)” on page 74. |
| | 7 | CHK/CG | → See “CHK/CG (Check change)” on page 74. |
| | 8 | CA/CHK | → See “Check cashing” on page 75. |

## Discount (⊖)

**Procedure**



```
 <—>
AMOUNT                -0.00
TEXT                    <—>
SIGN                      -
HALO              999999.99
ITEM                    YES
SUBTOTAL                YES
PGM                      01
```

Program each item as follows:

- **AMOUNT (Use the numeric entry)**
  Discount amount (max. 8 digits)
- **TEXT (Use the character entry)**
  Description for the discount key. Up to 12 characters can be entered.
- **SIGN (Use the selective entry)**
  Programming of the + or - sign assigns the premium or discount function to each discount key.
  +: Plus amount (premium)
  -: Minus amount (discount)
- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

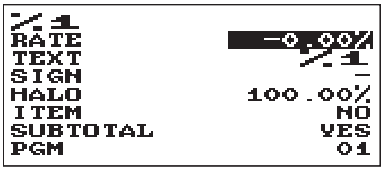
**NOTE**

*In the initial programming, the HALO function is programmed as "INVALID".*

- **ITEM (Use the selective entry)**
  YES: Enables the item discount.
  NO: Disables the item discount.
- **SUBTOTAL (Used the selective entry)**
  YES: Enables the subtotal discount.
  NO: Disables the subtotal discount.

## ■ Percent (%1 , %2)

Procedure



```
%1
RATE              -0.00%
TEXT                  %1
SIGN                   -
HALO             100.00%
ITEM                  NO
SUBTOTAL             YES
PGM                   01
```

Program each item as follows:

- **RATE (Use the numeric entry)**
  Percent rate (0.00 to 100.00)
- **TEXT (Use the character entry)**
  Description for the percent key. Up to 12 characters can be entered.
- **SIGN (Use the selective entry)**
  Programming of the + or - sign assigns the premium or discount function to each percent key.
  +: Plus (premium)
  -: Minus (discount)
- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  HALO (High Amount Lockout) for the percent key (0.00 to 100.00)

**NOTE**

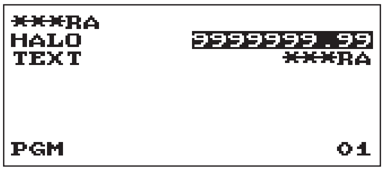
*In the initial programming, the HALO function is programmed as "INVALID".*

- **ITEM (Use the selective entry)**
  YES: Enables the item %.
  NO: Disables the item %.
- **SUBTOTAL (Used the selective entry)**
  YES: Enables the subtotal %.
  NO: Disables the subtotal %.

## ■ RA

You can program an upper limit amount and description for received-on-account key.

Procedure



```
***RA
HALO          9999999.99
TEXT               ***RA



PGM                   01
```

Program each item as follows:

- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 9999999.99

**NOTE**

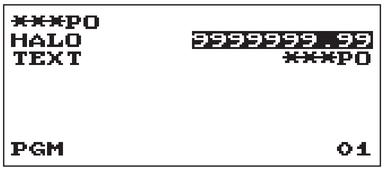
*In the initial programming, the HALO function is programmed as "INVALID".*

- **TEXT (Use the character entry)**
  Description for the received-on-account key. Up to 12 characters can be entered.

## ■ PO

You can program an upper limit amount and description for paid-out key.

**Procedure**



```
***PO
HALO          9999999.99
TEXT               ***PO



PGM                   01
```

Program each item as follows:

- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 9999999.99

**NOTE**

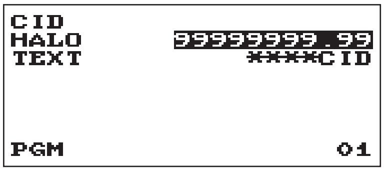
*In the initial programming, the HALO function is programmed as "INVALID".*

- **TEXT (Use the character entry)**
  Description for the paid-out key. Up to 12 characters can be entered.

## ■ CID (Cash in drawer)

You can program the description and the upper limit amounts for cash in drawer (sentinel).

**Procedure**



```
CID
HALO         99999999.99
TEXT             ****CID



PGM                   01
```

Program each item as follows:

- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 99999999.99

**NOTE**

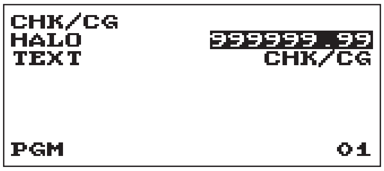
- *In the initial programming, the HALO function is programmed as "INVALID".*
- *When the cash in drawer amounts exceeds a limit amount, the sentinel mark(X) will be displayed.*

- **TEXT (Use the character entry)**
  Description for the cash in drawer. Up to 12 characters can be entered.

## ■ CHK/CG (Check change)

You can program the description and the upper limit amounts for check change.

**Procedure**



```
CHK/CG
HALO           999999.99
TEXT              CHK/CG



PGM                   01
```

Program each item as follows:

- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

**NOTE**

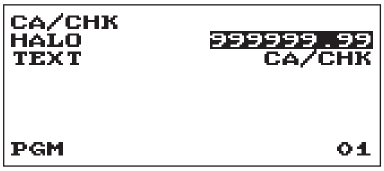
*In the initial programming, the HALO function is programmed as "INVALID".*

- **TEXT (Use the character entry)**
  Description for check change. Up to 12 characters can be entered.

## ■ Check cashing

You can program the description and the upper limit amounts for check cashing.

**Procedure**



```
CA/CHK
HALO            999999.99
TEXT               CA/CHK



PGM                    01
```

Program each item as follows:

- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

**NOTE**

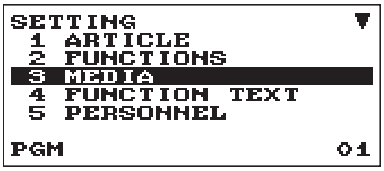
*In the initial programming, the HALO function is programmed as "INVALID".*

- **TEXT (Use the character entry)**
  Description for check cashing. Up to 12 characters can be entered.

# Media Key Programming

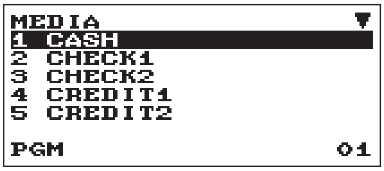
Use the following procedure to select any option included in the media group:

**Procedure**



```
SETTING                 ▼
 1 ARTICLE
 2 FUNCTIONS
 3 MEDIA
 4 FUNCTION TEXT
 5 PERSONNEL

PGM                    01
```

▼



```
MEDIA                   ▼
1 CASH
2 CHECK1
3 CHECK2
4 CREDIT1
5 CREDIT2

PGM                    01
```

The screen continues.

**1.** In the SETTING window, select “3 MEDIA.”

- The MEDIA window will appear.

**2.** Select any option from the following options list.

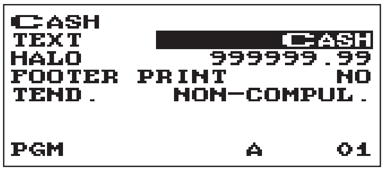
| | | |
|---|---|---|
| 1 | `CASH` | Cash |
| 2 | `CHECK1` | Check1 key |
| 3 | `CHECK2` | Check2 |
| 4 | `CREDIT1` | Credit1 key |
| 5 | `CREDIT2` | Credit2 |
| 6 | `FOREIGN CURRENCY` | Foreign Currency |

The following illustration shows those options included in this programming group.

3 MEDIA
- 1 CASH → See “Cash key (Cash)” on page 77.
- 2 CHECK1 → See “Check key (Check1, Check2)” on page 77.
- 3 CHECK2 → See “Check key (Check1, Check2)” on page 77.
- 4 CREDIT1 → See “Credit key (Credit1, Credit2)” on page 78.
- 5 CREDIT2 → See “Credit key (Credit1, Credit2)” on page 78.
- 6 FOREIGN CURRENCY → See “Foreign currency (Exchange1, Exchange2)” on page 79.

## ■ Cash key (Cash)

Procedure



```
CASH
TEXT              CASH
HALO         999999.99
FOOTER PRINT        NO
TEND.      NON-COMPUL.

PGM            A    01
```

Program each item as follows:

- **TEXT (Use the character entry)**
  Description for the cash key. Up to 12 characters can be entered.
- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

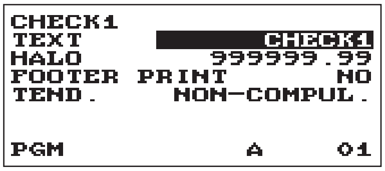
**NOTE**

*In the initial programming, the HALO function is programmed as "INVALID".*

- **FOOTER PRINT (Use the selective entry)**
  This item decides whether or not your register should print a message at the foot of a receipt when a specified cash key is used.
  YES: Enables footer printing on the receipt.
  NO: Disables footer printing on the receipt.
- **TEND. (Use the selective entry)**
  NON-COMPUL.: Non-compulsory amount tendered entry.
  COMPULSORY: Compulsory amount tendered entry.

## ■ Check key (Check1, Check2)

Procedure



```
CHECK1
TEXT            CHECK1
HALO         999999.99
FOOTER PRINT        NO
TEND.      NON-COMPUL.

PGM            A    01
```

Program each item as follows:

- **TEXT (Use the character entry)**
  Description for the check key. Up to 12 characters can be entered.
- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

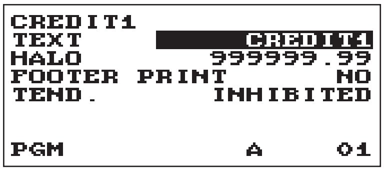
**NOTE**

*In the initial programming, the HALO function is programmed as "INVALID".*

- **FOOTER PRINT (Use the selective entry)**
  YES: Enables footer printing on the receipt.
  NO: Disables footer printing on the receipt.
- **TEND. (Use the selective entry)**
  NON-COMPUL.: Non-compulsory amount tendered entry.
  COMPULSORY: Compulsory amount tendered entry.

## ■ Credit key (Credit1, Credit2)

**Procedure**



```
CREDIT1
TEXT              CREDIT1
HALO            999999.99
FOOTER PRINT           NO
TEND.           INHIBITED

PGM                A   01
```

Program each item as follows:

- **TEXT (Use the character entry)**
  Description for the credit key. Up to 12 characters can be entered.
- **HALO (High Amount Lockout) (Use the numeric entry)**
  This function is intended for prevention of accidentally entered unreasonably amounts.
  Limit amount: 0.00 to 999999.99

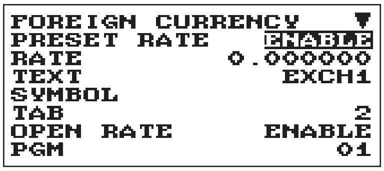
**NOTE**

*In the initial programming, the HALO function is programmed as "INVALID".*

- **FOOTER PRINT (Use the selective entry)**
  This item decides whether or not your register should print a message at the foot of a receipt when a specified credit key is used.
  YES: Enables footer printing on the receipt.
  NO: Disables footer printing on the receipt.
- **TEND. (Use the selective entry)**
  COMPULSORY: Compulsory amount tendered entry.
  INHIBITED: Inhibits amount tendered entry.

## ■ Foreign currency (Exchange1, Exchange2)

**Procedure**



```
FOREIGN CURRENCY     ▼
PRESET RATE     ENABLE
RATE          0.000000
TEXT             EXCH1
SYMBOL
TAB                  2
OPEN RATE       ENABLE
PGM                 01
```

The screen continues.

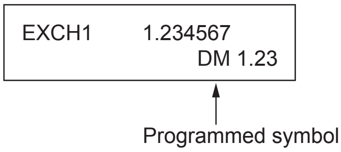
Program each item as follows:

- **PRESET RATE (Use the selective entry)**
  ENABLE: Enables preset rate
  DISABLE: Disable preset rate
- **RATE (Use the numeric entry)**
  Currency exchange rate (0.000000 to 999.999999)
- **TEXT (Use the character entry)**
  Description for the currency exchange key. Up to 12 characters can be entered.
- **SYMBOL (Use the character entry)**
  Currency descriptor. Up to 4 characters can be entered.
- **TAB (Use the selective entry)**
  Tabulation (0 to 3)
- **OPEN RATE (Use the selective entry)**
  ENABLE: Enables open rate
  DISABLE: Disable open rate
- **TEXT (Use the character entry) for open rate**
  Description for the currency exchange key for open rate. Up to 12 characters can be entered.
- **SYMBOL (Use the character entry) for open rate**
  Currency descriptor for open rate. Up to 4 characters can be entered.
- **TAB (Use the selective entry) for open rate**
  Tabulation for open rate (0 to 3)

**NOTE**

*Currency symbol is printed with (+) amount of foreign currency.*
*The programmed character is printed at left side of amount.*

EX) Case of “DM”:



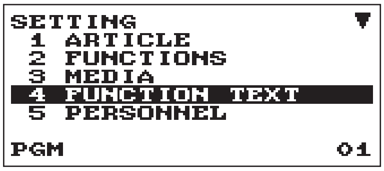
```
EXCH1       1.234567
             DM 1.23
```

Programmed symbol

# Function Text Programming

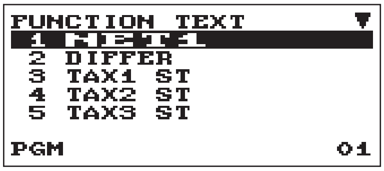
You can program a maximum of 12 characters for each function by using the following table:

**Procedure**



```
SETTING
 1 ARTICLE
 2 FUNCTIONS
 3 MEDIA
 4 FUNCTION TEXT
 5 PERSONNEL

PGM                01
```

**1.** In the SETTING window, select “4 FUNCTION TEXT”.
- The FUNCTION TEXT window will appear.



```
FUNCTION TEXT
 1 NET1
 2 DIFFER
 3 TAX1 ST
 4 TAX2 ST
 5 TAX3 ST

PGM                01
```

The screen continues.

**2.** Program each item as follows:

- **Text (Use the character entry)**
  Description for each function. Up to 12 characters can be entered.

List of function text

| No. | Function | Default text |
|---|---|---|
| 1 | Net 1 | **NET1** |
| 2 | Difference | DIFFER |
| 3 | Taxable 1 subtotal | TAX1 ST |
| 4 | Taxable 2 subtotal | TAX2 ST |
| 5 | Taxable 3 subtotal | TAX3 ST |
| 6 | Taxable 4 subtotal | TAX4 ST |
| 7 | VAT/tax 1 | VAT 1 |
| 8 | VAT/tax 2 | VAT 2 |
| 9 | VAT/tax 3 | VAT 3 |
| 10 | VAT/tax 4 | VAT 4 |
| 11 | Total tax (on report) | TTL TAX |
| 12 | Net without tax (on report) | **NET** |
| 13 | Net 2 | **NET2** |
| 14 | Refund | REFUND |
| 15 | Void | VOID |
| 16 | Void mode | VOID MODE |
| 17 | MGR void | MGR VOID |
| 18 | Subtotal void | SBTL VOID |
| 19 | Hash void | HASH VOID |
| 20 | Hash refund | HASH RF |
| 21 | Bill counter | BILL CNT |
| 22 | No sale | NO SALE |
| 23 | Starting cash memory (+) | SCM(+) |
| 24 | Starting cash memory (-) | SCM(-) |
| 25 | Guest (customer/transaction count) | GUEST |
| 26 | Paid total | PAID TL |
| 27 | Average | AVE. |
| 28 | Check payment for exchange 1 | EX1 CHK |
| 29 | Credit payment for exchange 1 | EX1 CR |
| 30 | Domestic currency 1 | DOM.CUR1 |
| 31 | Domestic currency 2 | DOM.CUR2 |
| 32 | Domestic currency 1 for check | DOM.CUR1 CHK |
| 33 | Domestic currency 1 for credit | DOM.CUR1 CR |
| 34 | Check in drawer | *CH ID |
| 35 | Cash/check in drawer | CA/CHK ID |
| 36 | Group 1 | GROUP01 |
| 37 | Group 2 | GROUP02 |
| 38 | Group 3 | GROUP03 |
| 39 | Group 4 | GROUP04 |
| 40 | Group 5 | GROUP05 |
| 41 | Group 6 | GROUP06 |
| 42 | Group 7 | GROUP07 |
| 43 | Group 8 | GROUP08 |
| 44 | Group 9 | GROUP09 |
| 45 | (+)dept. total | *DEPT TL |
| 46 | (-)dept. total | DEPT(-) |
| 47 | Hash(+) total | *HASH TL |
| 48 | Hash(-) total | HASH(-) |

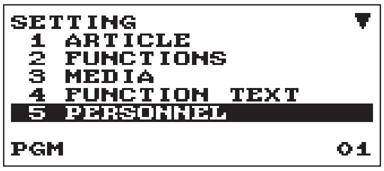
| No. | Function | Default text |
|---|---|---|
| 49 | Total | ***TOTAL |
| 50 | Subtotal | SUBTOTAL |
| 51 | Starting cash memory total | SCM TTL |
| 52 | Non-add code text | # |
| 53 | Sales q’ty | ITEMS |
| 54 | Merchandise subtotal | MDSE ST |
| 55 | Net 1 (Taxable 1 - VAT/tax 1) | NET 1 |
| 56 | Net 2 (Taxable 2 - VAT/tax 2) | NET 2 |
| 57 | Net 3 (Taxable 3 - VAT/tax 3) | NET 3 |
| 58 | Net 4 (Taxable 4 - VAT/tax 4) | NET 4 |
| 59 | Due (on display) | DUE |
| 60 | Change | CHANGE |
| 61 | Copy receipt title | **COPY** |

| No. | Function | Default text |
|---|---|---|
| 62 | Guest check receipt title | **BILL** |
| 63 | Receipt switch | RCP SW. |
| 64 | VAT shift (XE-A217 only) | VAT SFT |
| 65 | VAT/tax delete (XE-A217 only) | TAX DELE |
| 66 | PBAL (for GLU) (XE-A217 only) | ***PBAL |
| 67 | NBAL (for GLU) (XE-A217 only) | ***NBAL |
| 68 | Order total (for GLU) (XE-A217 only) | ORDER TL |
| 69 | Order total - Paid total (for GLU) (XE-A217 only) | **O - P** |
| 70 | Old balance (XE-A217 only) | OLD BAL. |
| 71 | New balance (XE-A217 only) | BALANCE |
| 72 | GLU code text (XE-A217 only) | GLU# |

# Personnel Programming

Use the following procedure to select any option included in the personnel group:

**Procedure**

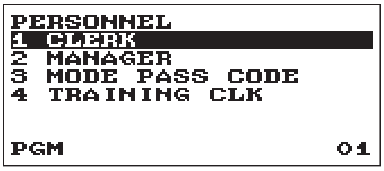


```
SETTING                ▼
 1 ARTICLE
 2 FUNCTIONS
 3 MEDIA
 4 FUNCTION TEXT
 5 PERSONNEL

PGM                   01
```

**1.** In the SETTING window, select “5 PERSONNEL.”

- The PERSONNEL window will appear.

▼



```
PERSONNEL
1 CLERK
2 MANAGER
3 MODE PASS CODE
4 TRAINING CLK

PGM                   01
```

**2.** Select any option from the following options list.

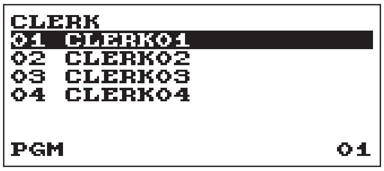
| | | |
|---|---|---|
| 1 | CLERK | Clerk |
| 2 | MANAGER | Manager |
| 3 | MODE PASS CODE | Mode Pass Code |
| 4 | TRAINING CLK | Training Clerk |

The following illustration shows those options included in this programming group.

5 PERSONNEL
- 1 CLERK → See “Clerk” this page.
- 2 MANAGER → See “Manager” on page 83.
- 3 MODE PASS CODE → See “Mode Pass Code” on page 83.
- 4 TRAINING CLK → See “Training Clerk” on page 84.

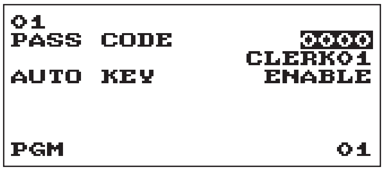
## ■ Clerk

**Procedure**



```
CLERK
01 CLERK01
02 CLERK02
03 CLERK03
04 CLERK04

PGM                   01
```

▼



```
01
PASS CODE           0000
                 CLERK01
AUTO KEY          ENABLE

PGM                   01
```

**NOTE**

- *To create additional clerks enter the clerk number 5 - 25 in the clerk selection window "CLERK".*
- *To delete a clerk code in the "CLERK" window, select the clerk code and press the DEL key. A confirmation window appears to ask you whether to delete the clerk, select the option you prefer.*

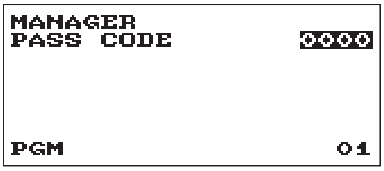
Program each item as follows:

- **PASS CODE (Use the numeric entry)**
  Pass code (max. 4 digits: 0001 to 9999/0000)
- **Text (Use the character entry)**
  Description for the clerk name (Up to 16 characters can be entered.)
- **AUTO KEY (Use the selective entry)**
  ENABLE: Enables operation of the AUTO MENU key.
  DISABLE: Disables operation of the AUTO MENU key.

## ■ Manager

You can program a secret code for manager.

Procedure



```
MANAGER
PASS CODE            0000



PGM                    01
```

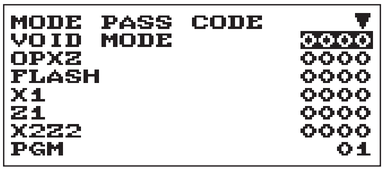
Program each item as follows:

- **PASS CODE (Use the numeric entry)**
  Pass code (max. 4 digits: 0000 to 9999)

## ■ Mode Pass Code

You can program a secret code for each mode.

Procedure



```
MODE PASS CODE          ▼
VOID MODE            0000
OPXZ                 0000
FLASH                0000
X1                   0000
Z1                   0000
X2Z2                 0000
PGM                    01
```

The screen continues.

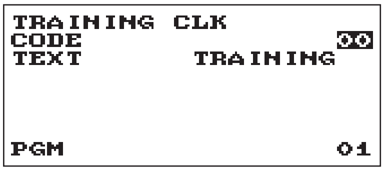
Program each item as follows:

- **VOID MODE (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **OPXZ (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **FLASH (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **X1 (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **Z1 (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **X2Z2 (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **PGM (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)
- **SD CARD (Use the numeric entry)**
  Pass code (max 4 digits: 0000 to 9999)

## Training Clerk

You can set the training clerk code and text for the training mode title.

**Procedure**



```
TRAINING CLK
CODE                    00
TEXT          TRAINING


PGM                     01
```

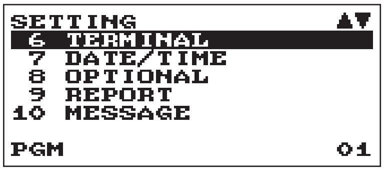
Program each item as follows:

- **CODE (Use the numeric entry)**
  Clerk code in training (max. 2 digits: 00 to 25)
- **TEXT (Use the character entry)**
  Description for the training mode title (Up to 12 characters can be entered.)

# Terminal Programming

Use the following procedure to select any option included in the terminal group:

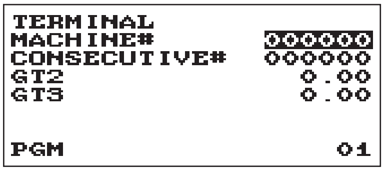
**Procedure**



```
SETTING          ▲▼
 6 TERMINAL
 7 DATE/TIME
 8 OPTIONAL
 9 REPORT
10 MESSAGE

PGM              01
```

**1.** In the SETTING windows, select “6 TERMINAL.”
- The TERMINAL windows will appear.

▼



```
TERMINAL
MACHINE#     000000
CONSECUTIVE# 000000
GT2            0.00
GT3            0.00

PGM              01
```

**2.** Select any option from the following options list:

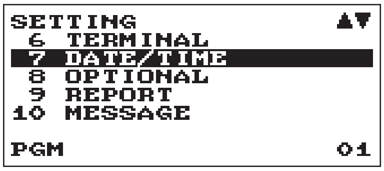
- **MACHINE# (Use the numeric entry)**
  Machine number (max. 6 digits: 0 to 999999)
- **CONSECUTIVE# (Use the numeric entry)**
  Enter a number (max. 6 digits: 0 to 999999) that is the desired starting number.
- **GT2: (Use the numeric entry)**
  Enter a number (max. 13 digits: 0 to 9999999999999)
- **GT3: (Use the numeric entry)**
  Enter a number (max. 13 digits: 0 to 9999999999999)

# Date/Time Setting

You can set the date and time for the register.

## ■ Date/time

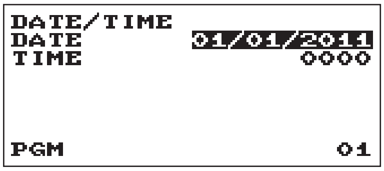
**Procedure**


SETTING ▲▼
6 TERMINAL
7 DATE/TIME
8 OPTIONAL
9 REPORT
10 MESSAGE
PGM 01

**1.** In the SETTING window, select “7 DATE/TIME”.

- The DATE/TIME window will appear.

▼



```
DATE/TIME
DATE            01/01/2011
TIME                  0000

PGM                     01
```

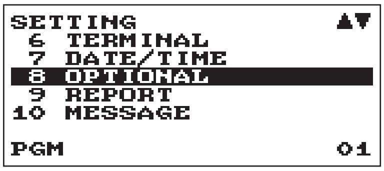
**2.** Set each item as follows:

- **DATE (Use the numeric entry)**
  Enter the day (2 digits), month (2 digits), and year (2 digits) in this sequence.
- **TIME (Use the numeric entry)**
  Set the time (max. 4 digits) on the 24-hour system. For example, when the time is set to 2:30 AM, enter 0230; and when it is set to 2:30 PM, enter 1430. The time will be printed and displayed.

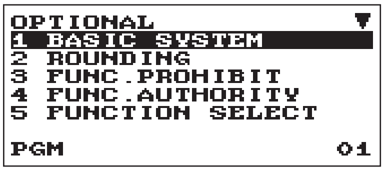
# Optional Feature Selection

Use the following procedure to select any option included in the optional group:

**Procedure**


SETTING ▲▼
6 TERMINAL
7 DATE/TIME
8 OPTIONAL
9 REPORT
10 MESSAGE
PGM 01

▼


OPTIONAL ▼
1 BASIC SYSTEM
2 ROUNDING
3 FUNC.PROHIBIT
4 FUNC.AUTHORITY
5 FUNCTION SELECT
PGM 01

The screen continues.

**1.** In the SETTING window, select “8 OPTIONAL.”

- The OPTIONAL window will appear.

**2.** Select any option from the following options list.

| | | |
|---|---|---|
| 1 | `BASIC SYSTEM` | Basic system |
| 2 | `ROUNDING` | Rounding |
| 3 | `FUNC.PROHIBIT` | Function prohibited |
| 4 | `FUNC.AUTHORITY` | Function authority |
| 5 | `FUNCTION SELECT` | Function selection |
| 6 | `PRINT SELECT` | Print selection |
| 7 | `EXCHANGE FUNCTION` | Exchange function |
| 8 | `EURO CHANGE` | Euro change |

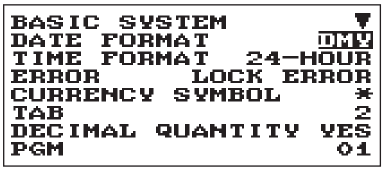
The following illustration shows those options included in this programming group.

8 OPTIONAL
- 1 BASIC SYSTEM → See “Basic System” on page 88.
- 2 ROUNDING → See “Rounding” on page 89.
- 3 FUNC.PROHIBIT → See “Function Prohibit” on page 90.
- 4 FUNC.AUTHORITY → See “Function Authority” on page 91.
- 5 FUNCTION SELECT → See “Function Selection” on page 92.
- 6 PRINT SELECT → See “Print Selection” on page 93.
- 7 EXCANGE FUNCTION → See “Exchange Function” on page 94.
- 8 EURO CHANGE → See “EURO Change” on page 95.

## ■ Basic System

Your register allows you to select various item of basic system.

**Procedure**



```
BASIC SYSTEM          ▼
DATE FORMAT         DMY
TIME FORMAT     24-HOUR
ERROR        LOCK ERROR
CURRENCY SYMBOL       *
TAB                   2
DECIMAL QUANTITY    YES
PGM                  01
```

The screen continues.

Program each item as follows:

- **DATE FORMAT (Use the selective entry)**
  MDY: Display and print the month, day, and year in this order
  DMY: Display and print the day, month and year in this order
  YMD: Display and print the year, month, and day in this order

- **TIME FORMAT (Use the selective entry)**
  12-HOUR: Display and print the time on 12-hour system
  24-HOUR: Display and print the time on 24-hour system

- **ERROR (Use the selective entry)**
  Response to an erroneous, invalid key operation
  LOCK ERROR: Sound a short buzzer for 2 seconds, and display Error. To hide the Error display, press the CL key.
  MISS OPE.: Sound a short buzzer

- **CURRENCY SYMBOL (Use the character entry)**
  Enter the character (Max. 4 characters)

- **TAB (Use the selective entry)**
  0
  1
  2
  3
  Position of price delimiter can be set. Setting options are 0, 1, 2, and 3.
  When setting to “2” for example, the entry of “100” is displayed as “1.00”.

- **DECIMAL QUANTITY (Use the selective entry)**
  YES: Enable to enter the decimal quantity
  NO: Disable to enter the decimal quantity

- **DECIMAL ROUND (Use the selective entry)**
  ROUND: Round off the number
  UP: Round up after the decimal point
  DOWN: Round down after the decimal point.

- **HALO FUNC. (Use the selective entry)**
  VALID: Valid HALO function
  INVALID: Invalid HALO function

- **[00] KEY (Use the selective entry)**
  [00]: Display [00] by pressing the 00 key
  [000]: Display [000] by pressing the 00 key

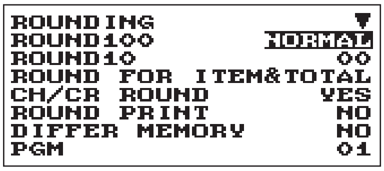
- **PRT/DSP EDIT (Use the selective entry)**
  YES: All of printing and display are edited
  NO: All of printing and display aren’t edited

- **ITEM DISPLAY (Use the selective entry)**
  2-LINE: The 1st line displays the quantity, price and amount. The 2nd line displays the text.
  1-LINE: The quantity and text.

## ■ Rounding

Your register allows you to select various item of rounding system.

**Procedure**



```
ROUNDING                ▼
ROUND100           NORMAL
ROUND10                00
ROUND FOR  ITEM&TOTAL
CH/CR ROUND           YES
ROUND PRINT            NO
DIFFER MEMORY          NO
PGM                    01
```

The screen continues.

Program each item as follows:

- **ROUND 100 (Use the selective entry)**

  Rounding system selection
  NORMAL: Minimum rounding currency unit is 1 (1 cent)
  25: Minimum rounding currency unit is 25 (25 cents)
  50: Minimum rounding currency unit is 50 (50 cents)
  100: Minimum rounding currency unit is 100 (ex: 1 Swedish Krona)

- **ROUND 10 (Use the numeric entry)**

  Rounding up/down of the units digit of amount.
  Enter a number (2 digits 00 to 99)

- **ROUND FOR (Use the selective entry)**

  ITEM&TOTAL: Rounding of the item and total
  TOTAL: Rounding of the total

- **CH/CR ROUND (Use the selective entry)**

  This selection is not effective at Manual TAX1-4 system.
  YES: Enable the Australian rounding
  NO: Disable the Australian rounding

- **ROUND PRINT (Use the selective entry)**

  YES: Print the rounding amount
  NO: Not print the rounding amount

- **DIFFER MEMORY (Use the selective entry)**

  YES: Memory the difference between before-rounding and after-rounding
  NO: No memory the difference between before-rounding and after-rounding

- **ITEM ENT (Use the selective entry)**

  Limit on the least significant digit in entering the amount of item
  ANY: No limit at the least significant digit in each amount entry
  0 ONLY: Limit to 0 at the least significant digit in each amount entry
  0.5 ONLY: Limit to 0.5 at the least significant digit in each amount entry

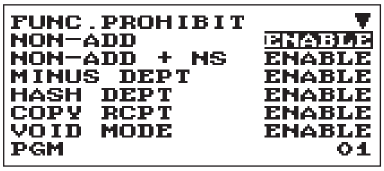
- **PAYMENT ENT (Use the selective entry)**

  Limit on the least significant digit in entering the amount of payment
  ANY: No limit at the least significant digit in each amount entry
  0 ONLY: Limit to 0 at the least significant digit in each amount entry
  0.5 ONLY: Limit to 0.5 at the least significant digit in each amount entry

## ■ Function Prohibit

Your register allows you to select whether to enable or disable various functions.

**Procedure**



```
FUNC.PROHIBIT         ▼
NON-ADD          ENABLE
NON-ADD + NS     ENABLE
MINUS DEPT       ENABLE
HASH DEPT        ENABLE
COPY RCPT        ENABLE
VOID MODE        ENABLE
PGM                  01
```

The screen continues.

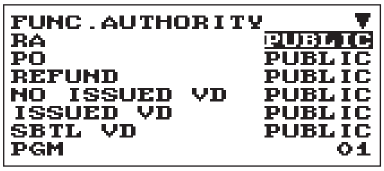
Program each item as follows:

- **NON-ADD (Use the selective entry)**
  ENABLE: Enable to enter Non-add code
  DISABLE: Disable to enter Non-add code
- **NON-ADD + NS (Use the selective entry)**
  ENABLE: Enable No sale after Non-add code entry
  DISABLE: Disable No sale after Non-add code entry
- **MINUS DEPT (Use the selective entry)**
  ENABLE: Enable to enter the minus department or PLU
  DISABLE: Disable to enter the minus department or PLU
- **HASH DEPT (Use the selective entry)**
  ENABLE: Enable to enter the hash department or PLU
  DISABLE: Disable to enter the hash department or PLU
- **COPY RCPT (Use the selective entry)**
  ENABLE: Enable the receipt copy function
  DISABLE: Disable the receipt copy function
- **VOID MODE (Use the selective entry)**
  ENABLE: Enable the void mode
  DISABLE: Disable the void mode
- **SUBTOTAL<0 (Use the selective entry)**
  ENABLE: Enable to go negative merchandise subtotal
  DISABLE: Disable to go negative merchandise subtotal
- **TEND+DIRECT (Use the selective entry)**
  ENABLE: Enable the direct non-tendering finalization after the previous tender entry
  DISABLE: Disable the direct non-tendering finalization after the previous tender entry

## ■ Function Authority

Your register allows you to select whether to public or to limit function authority.

**Procedure**



```
FUNC.AUTHORITY          ▼
RA                 PUBLIC
PO                 PUBLIC
REFUND             PUBLIC
NO ISSUED VD       PUBLIC
ISSUED VD          PUBLIC
SBTL VD            PUBLIC
PGM                    01
```

The screen continues.
(XE-A217W/XE-A217B only)

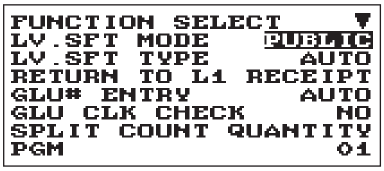
Program each item as follows:

- **RA (Use the selective entry)**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.
- **PO (Use the selective entry)**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.
- **REFUND (Use the selective entry)**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.
- **ITEM VD (Use the selective entry) for XE-A177/XE-A207W/XE-A207B only**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.
- **NO ISSUED VD (Use the selective entry) for XE-A217W/XE-A217B only**
  - LIMITED: Allowed only in the Manager mode. (for GLU registration)
  - PUBLIC: Allowed in the REG mode and the Manager mode. (for GLU registration)
- **ISSUED VD (Use the selective entry) for XE-A217W/XE-A217B only**
  - LIMITED: Allowed only in the Manager mode. (for GLU registration)
  - PUBLIC: Allowed in the REG mode and the Manager mode. (for GLU registration)
- **SBTL VD (Use the selective entry)**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.
- **NO SALE (Use the selective entry)**
  - LIMITED: Allowed only in the Manager mode.
  - PUBLIC: Allowed in the REG mode and the Manager mode.

## ■ Function Selection

Your register enables you to select various functional selections.

**Procedure**



```
FUNCTION SELECT       ▼
LV.SFT MODE      PUBLIC
LV.SFT TYPE        AUTO
RETURN TO L1 RECEIPT
GLU# ENTRY         AUTO
GLU CLK CHECK        NO
SPLIT COUNT QUANTITY
PGM                  01
```

The screen continues.

Program each item as follows:

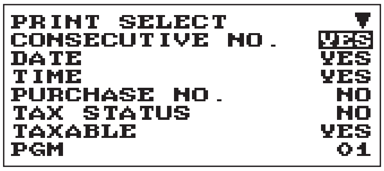
- **LV.SFT MODE (Use the selective entry) for XE-A217W/XE-A217B only**
  LIMITED: Allowed only in the Manager mode.
  PUBLIC: Allowed in the REG mode and the Manager mode.
- **LV.SFT TYPE (Use the selective entry) for XE-A217W/XE-A217B only**
  AUTO: Automatic return mode
  MANUAL: Lock shift mode
- **RETURN TO L1 (Use the selective entry) for XE-A217W/XE-A217B only**
  When the PLU level shift system is set to “AUTO,” the PLU level can be returned to level 1 by one of the following methods:
  BY ITEM: Returns the PLU level to level 1 by one item.
  RECEIPT: Returns the PLU level to level 1 by one receipt.
- **GLU# ENTRY (Use the selective entry) for XE-A217W/XE-A217B only**
  AUTO: Assign GLU code in an automatic serial number
  MANUAL: Require manual GUL code entry
- **GLU CLK CHECK (Use the selective entry) for XE-A217W/XE-A217B only**
  Checking of the clerk, when GLU reorder is made.
  YES: Enable to check of the clerk
  NO: No checking
- **SPLIT COUNT (Use the selective entry)**
  Count method of split pricing entry.
  PACKAGE: Unit of the package
  QUANTITY: Quantity
- **CR IN RA/PO (Use the selective entry)**
  Credit totalizer update if RA or PO finalization by the credit key.
  NON: Not update
  UPDATE: Update
- **VD MODE TO HOURLY (Use the selective entry)**
  YES: Enable to add to the hourly total in void mode.
  NO: Disable to add to the hourly total in void mode.
- **ST BEFORE DIRECT (Use the selective entry)**
  Subtotal entry before direct non-tendering finalization
  NOT: Not to require entry of subtotal for the non-tendering finalization
  MUST: Require entry of subtotal for the non-tendering finalization
- **ST BEFORE TEND (Use the selective entry)**
  Subtotal entry before tender
  NOT: Not to require entry of subtotal for the tendering finalization
  MUST: Require entry of subtotal for the tendering finalization
- **NS RECEIPT (Use the selective entry)**
  Printing the receipt at the time of No Sale
  PRINT: Print the receipt
  NOT: Not to print the receipt

- **RCPT CONTENTS (Use the selective entry)**
  TOTAL: Print the total only on the receipt
  DETAIL: Print the details on the receipt
- **AFTER TRANS. (Use the selective entry)**
  TOTAL: Print the total only on the receipt after finalizing a transaction and the copy receipt
  DETAIL: Print the details on the receipt after finalizing a transaction and the copy receipt
- **E.J.FULL (Use the selective entry)**
  When the EJ file is full, whether to lock the item entry or not.
  LOCK: Lock the item entry
  CONTINUE: Not to lock the item entry

## ■ Print Selection

You can program various printing functions.

**Procedure**



```
PRINT SELECT            ▼
CONSECUTIVE NO.       YES
DATE                  YES
TIME                  YES
PURCHASE NO.           NO
TAX STATUS             NO
TAXABLE               YES
PGM                    01
```

The screen continues.

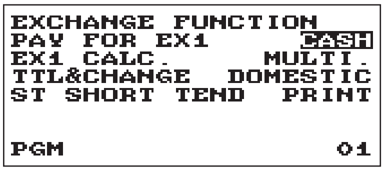
Program each item as follows:

- **CONSECUTIVE NO. (Use the selective entry)**
  YES: Print the consecutive No.
  NO: Not to print the consecutive No.
- **DATE (Use the selective entry)**
  YES: Print the date
  NO: Not to print the date
- **TIME (Use the selective entry)**
  YES: Print the time
  NO: Not to print the time
- **PURCHASE NO. (Use the selective entry)**
  YES: Print the number of the purchase No.
  NO: Not to print the number of the purchase No.
- **TAX STATUS (Use the selective entry)**
  YES: Print the tax status
  NO: Not to print the tax status
- **TAXABLE (Use the selective entry)**
  YES: Print the taxable amount
  NO: Not to print the taxable amount
- **TAX (Use the selective entry)**
  YES: Print the tax amount
  NO: Not to print the tax amount
- **TAX (TAXABLE=0) (Use the selective entry)**
  YES: Print the tax amount when the taxable amount is zero.
  NO: Not to print the tax amount the taxable amount is zero.
- **TAX (TAX=0) (Use the selective entry)**
  YES: Print the tax amount when the tax amount is zero.
  NO: Not to print the tax amount when the tax amount is zero.
- **NET (Use the selective entry)**
  YES: Print the NET amount
  NO: Not to print the NET amount
- **SPLIT ENTRY (Use the selective entry)**
  A=1st quantity, B=2nd quantity and C=unit price
  FORMAT1: A x B/C
  FORMAT2: A x C/B

- **ST AT ST KEY (Use the selective entry)**
  YES: Print the subtotal using the ST key
  NO: Not to print the subtotal using the ST key
- **LOGO FORM (Use the selective entry)**
  PATTERN 1: 3 line text header
  PATTERN 2: Image logo header
  PATTERN 3: Image logo header + 3 line text footer
  PATTERN 4: 6 line text header
  PATTERN 5: Image logo header + 3 line text header
  PATTERN 6: 3 line text header + 3 line text footer
- **FOOTER (Use the selective entry)**
  ALL: Print the footer in any media
  BY MEDIA: Print the footer by media
- **0 AMT PLU (Use the selective entry)**
  When the PLU unit price is 0, printing the amount is:
  TEXT ONLY: Print the text only
  NORMAL: Print the price and the text
- **ITEM JOURNAL (Use the selective entry)**
  ALL: Print all items on electronic journal
  SELECT: Print the selected items on electronic journal
- **LOGO ON JOURNAL (Use the selective entry)**
  YES: Print the logo text on electronic journal
  NO: Not to print the logo text on electronic journal
- **BILL ON JOURNAL (Use the selective entry)**
  YES: Print the bill contents on electronic journal
  NO: Not to print the bill contents on electronic journal

## ■ Exchange Function

**Procedure**



```
EXCHANGE FUNCTION
PAY FOR EX1      CASH
EX1 CALC.      MULTI.
TTL&CHANGE   DOMESTIC
ST SHORT TEND   PRINT

PGM                01
```

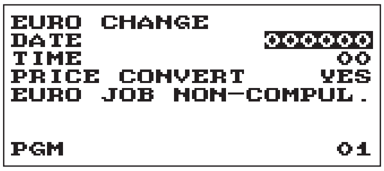
Program each item as follows:

- **PAY FOR EX1 (Use the selective entry)**
  Payment for the amount of Exchange 1
  CASH: Payment is made by cash only
  ALL: Payment is made by all media
- **EX1 CALC. (Use the selective entry)**
  Method of the calculation for Exchange 1
  MULTI.: Multiplication
  DIVIDE: Division
- **TTL & CHANGE (Use the selective entry)**
  Print the total and change for the amount of Exchange 1
  DOMESTIC: The domestic item only
  WITH EX1: Print the total and change for the amount of Exchange 1
- **ST SHORT TEND (Use the selective entry)**
  Print the subtotal after Exchange short tendering
  NOT: Not to print the subtotal
  PRINT: Print the subtotal

## ■ EURO Change

You can program optional functions for EURO change.  For the details, refer to EURO Migration Function section.

Procedure



```
EURO CHANGE
DATE            000000
TIME                00
PRICE CONVERT      YES
EURO JOB NON-COMPUL.

PGM                 01
```

Program each item as follows:

- **DATE (Use the numeric entry)**
  Preset the date to execute the automatic EURO modification operation.
  Enter the day (2 digits), month (2 digits), and year (2 digits) in this sequence.
- **TIME (Use the numeric entry)**
  Preset the time of the date to execute the automatic EURO modification operation.
  Enter the hour (00-23)
- **PRICE CONVERT (Use the selective entry)**
  YES: Converts the preset unit prices of Dept./PLU in the automatic EURO modification operation.
  NO: Does not convert the preset unit prices of Dept./PLU to the ones of EURO currency in the automatic EURO modification operation.

**NOTE** *The preset rate of the Exchange 1 is applied as the conversion rate, and the calculation method is set to “division”.*

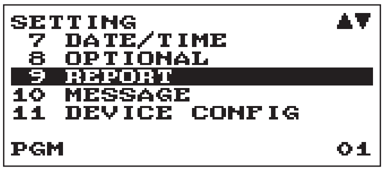
- **EURO JOB (Use the selective entry)**
  NON-COMPUL.: Non-compulsory the automatic EURO modification operation in the X2/Z2 mode after the preset date.
  COMPULSORY: Compulsory the automatic EURO modification operation in the X2/Z2 mode after the preset date.

**NOTE** *When the EURO STATUS of your register is already “D” (i.e. the domestic currency has been changed to EURO in your register), this programming is disabled.*

# Report Programming

Use the following procedure to select any option included in the report group:

**Procedure**

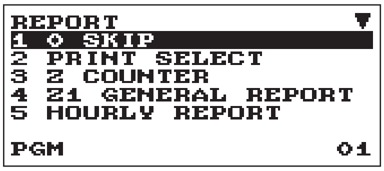


```
SETTING                ▲▼
 7 DATE/TIME
 8 OPTIONAL
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG

PGM                    01
```

**1.** In the SETTING window, select "9 REPORT."

- The REPORT window will appear.

▼



```
REPORT                  ▼
1 0 SKIP
2 PRINT SELECT
3 Z COUNTER
4 Z1 GENERAL REPORT
5 HOURLY REPORT

PGM                    01
```

The screen continues.

**2.** Select any option from the following options list:

| | | |
|---|---|---|
| 1 | `0 SKIP` | Zero skip |
| 2 | `PRINT SELECT` | Print select |
| 3 | `Z COUNTER` | Z counter |
| 4 | `Z1 GENERAL REPORT` | Z1 General report |
| 5 | `HOURLY REPORT` | Hourly report |
| 6 | `E. JOURNAL` | Electronic journal |

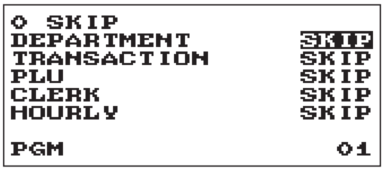
The following illustration shows those options included in this programming group.

9 REPORT
- 1 0 SKIP → See "Zero skip" on page 97.
- 2 PRINT SELECT → See "Print select" on page 97.
- 3 Z COUNTER → See "Z Counter" on page 98.
- 4 Z1 GENERAL REPORT → See "Z1 General report" on page 99.
- 5 HOURLY REPORT → See "Hourly report" on page 99.
- 6 E. JOURNAL → See "Electronic Journal" on page 99.

## ■ Zero skip

You can program whether or not to skip “0” in each report.

Procedure



```
0 SKIP
DEPARTMENT       SKIP
TRANSACTION      SKIP
PLU              SKIP
CLERK            SKIP
HOURLY           SKIP

PGM                01
```

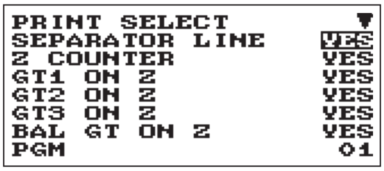
Program each item as follows:

- **DEPARTMENT (Use the selective entry)**
  SKIP: Skips those data that are “0” in the department report.
  NOT SKIP: Does not skip those data that are “0” in the department report.
- **TRANSACTION (Use the selective entry)**
  SKIP: Skips those data that are “0” in the transaction report.
  NOT SKIP: Does not skip those data that are “0” in the transaction report.
- **PLU (Use the selective entry)**
  SKIP: Skips those data that are “0” in the PLU report.
  NOT SKIP: Does not skip those data that are “0” in the PLU report.
- **CLERK (Use the selective entry)**
  SKIP: Skips those data that are “0” in the clerk report.
  NOT SKIP: Does not skip those data that are “0” in the clerk report.
- **HOURLY (Use the selective entry)**
  SKIP: Skips those data that are “0” in the hourly report.
  NOT SKIP: Does not skip those data that are “0” in the hourly report.

## ■ Print select

You can program whether or not to print the item on the report.

Procedure



```
PRINT SELECT        ▼
SEPARATOR LINE    YES
Z COUNTER         YES
GT1 ON Z          YES
GT2 ON Z          YES
GT3 ON Z          YES
BAL GT ON Z       YES
PGM                01
```

The screen continues.

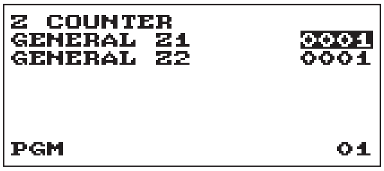
Program each item as follows:

- **SEPARATOR LINE (Use the selective entry)**
  YES: Print the separate line on the report.
  NO: Not to print the separate line on the report.
- **Z COUNTER (Use the selective entry)**
  YES: Print the Z counter on the Z report.
  NO: Not to print the Z counter on the Z report.
- **GT1 ON Z (Use the selective entry)**
  YES: Print GT1 on the Z report.
  NO: Not to print GT1 on the Z report.
- **GT2 ON Z (Use the selective entry)**
  YES: Print GT2 on the Z report.
  NO: Not to print GT2 on the Z report.
- **GT3 ON Z (Use the selective entry)**
  YES: Print GT3 on the Z report.
  NO: Not to print GT3 on the Z report.
- **BAL GT ON Z (Use the selective entry) for XE-A217W/XE-A217B only**
  YES: Print the balance GT on the Z report.
  NO: Not to print the balance GT on the Z report.
- **TR GT ON Z (Use the selective entry)**
  YES: Print the training GT on the Z report.
  NO: Not to print the training GT on the Z report.

- **GT1 ON X (Use the selective entry)**
  YES: Print GT1 on the X report.
  NO: Not to print GT1 on the X report.
- **GT2 ON X (Use the selective entry)**
  YES: Print GT2 on the X report.
  NO: Not to print GT2 on the X report.
- **GT3 ON X (Use the selective entry)**
  YES: Print GT3 on the X report.
  NO: Not to print GT3 on the X report.
- **TR GT ON X (Use the selective entry)**
  YES: Print the training GT on the X report.
  NO: Not to print the training GT on the X report.
- **VD MODE ON X1Z1 (Use the selective entry)**
  YES: Print total of VOID MODE on X1Z1 report
  NO: Not to print total of VOID MODE on X1Z1 report
- **VD MODE ON X2Z2 (Use the selective entry)**
  YES: Print total of VOID MODE on X2Z2 report
  NO: Not to print total of VOID MODE on X2Z2 report
- **PLU DATA ON Z (Use the selective entry)**
  YES: Print PLU data on the PLU Z report.
  NO: Not to print PLU data on the PLU Z report.
- **EJ DATA ON Z (Use the selective entry)**
  YES: Print EJ data on the EJ Z report.
  NO: Not to print EJ data on the EJ Z report.
- **EJ SIZE (Use the selective entry)**
  SMALL: Print EJ in a small size.
  NORMAL: Print EJ in a normal size.

## ■ Z Counter

**Procedure**



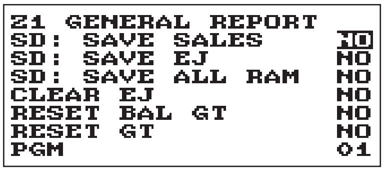
```
Z COUNTER
GENERAL Z1          0001
GENERAL Z2          0001



PGM                   01
```

Program each item as follows:

- **GENERAL Z1:** Max.4 digits (0000 to 9999)
- **GENERAL Z2:** Max.4 digits (0000 to 9999)

## ■ Z1 General report

**Procedure**



```
Z1 GENERAL REPORT
SD: SAVE SALES        NO
SD: SAVE EJ           NO
SD: SAVE ALL RAM      NO
CLEAR EJ              NO
RESET BAL GT          NO
RESET GT              NO
PGM                   01
```

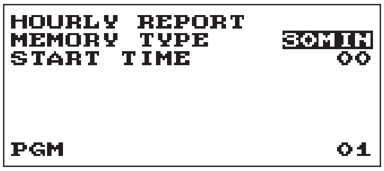
Program each item as follows:

- **SD: SAVE SALES (Use the selective entry)**
  YES: Save the sales data in the SD card.
  NO: Not to save the sales data in the SD card.
- **SD: SAVE EJ (Use the selective entry)**
  YES: Save the electronic journal data in the SD card.
  NO: Not to save the electronic journal data in the SD card.
- **SD: SAVE ALL RAM (Use the selective entry)**
  YES: Save all the RAM data in the SD card.
  NO: Not to save all the RAM data in the SD card.
- **CLEAR EJ (Use the selective entry)**
  YES: Clear the electronic journal data
  NO: Not to clear the electronic journal data
- **RESET BAL GT (Use the selective entry) for XE-A217W/XE-A217B only**
  YES: Reset the balance GT.
  NO: Not to reset the balance GT.
- **RESET GT (Use the selective entry)**
  YES: Reset the GT.
  NO: Not to reset the GT.

## ■ Hourly report

You can program the memory type and the starting time for the hourly report.

**Procedure**



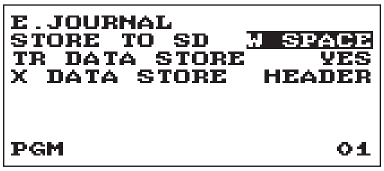
```
HOURLY REPORT
MEMORY TYPE        30MIN
START TIME            00



PGM                   01
```

Program each item as follows:

- **MEMORY TYPE (Use the selective entry)**
  30MIN: Selects the 30-minute type.
  60MIN: Selects the 60-minute type.
- **START TIME (Use the numeric entry)**
  Starting time entry (max. 2 digits: 0 to 23)

## ■ Electronic Journal

**Procedure**



```
E.JOURNAL
STORE TO SD      W SPACE
TR DATA STORE        YES
X DATA STORE      HEADER



PGM                   01
```

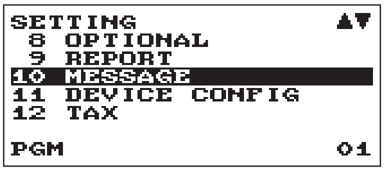
Program each item as follows:

- **STORE TO SD (Use the selective entry)**
  When the EJ data is recorded on the SD card:
  AS IS: Control characters are recorded as they are
  W SPACE: Control characters are recorded as double space.
- **TR DATA STORE (Use the selective entry)**
  YES: Record the EJ data in the training mode.
  NO: Not to record the EJ data in the training mode.
- **X DATA STORE (Use the selective entry)**
  When the X report data in the EJ is recorded:
  HEADER: Record only the header of X report in the electronic journal.
  DETAIL: Record the detail of X report in the electronic journal.

# Message Programming

Use the following procedure to select any option included in the message group:

**Procedure**

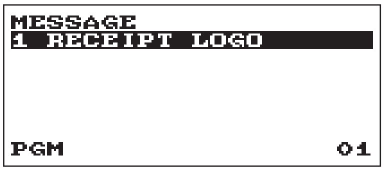


```
SETTING                 ▲▼
 8 OPTIONAL
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG
12 TAX

PGM                     01
```

**1.** In the SETTING window, select “10 MESSAGE.”

- The MESSAGE window will appear.

▼



```
MESSAGE
1 RECEIPT LOGO




PGM                     01
```

**2.** Select any option from the following options list:

| | |
|---|---|
| `1 RECEIPT LOGO` | Receipt logo |

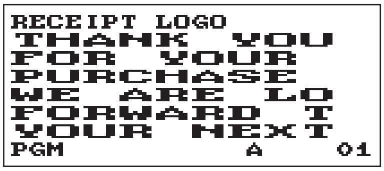
The following illustration shows those options included in this programming group.

10 MESSAGE ——— 1 RECEIPT LOGO → See “Receipt logo” this page.

## ■ Receipt logo

Your register can print programmed messages for customers on every receipt.
The logo text is printed in a centering form on the receipt.

**Procedure**



```
RECEIPT LOGO
THANK YOU
FOR YOUR
PURCHASE
WE ARE LO
FORWARD T
YOUR NEXT
PGM               A     01
```

Program each item as follows:

- **RECEIPT LOGO (Use the character entry)**
  Logo text for the receipt (max. 30 characters x 6 lines)

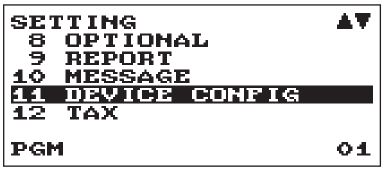
**NOTE** *The programmable number of lines for a message varies according to the following message types:*

*PATTERN 1: 3 line text header*
*PATTERN 2: Image logo header*
*PATTERN 3: Image logo header + 3 line text footer*
*PATTERN 4: 6 line text header*
*PATTERN 5: Image logo header + 3 line text header*
*PATTERN 6: 3 line text header + 3 line text footer*

# Device Configuration Programming

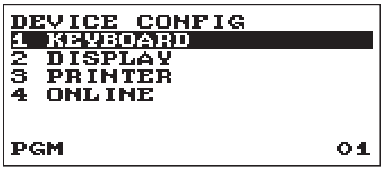
Use the following procedure to select a device configuration programming:

**Procedure**



```
SETTING              ▲▼
 8 OPTIONAL
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG
12 TAX

PGM                  01
```

▼



```
DEVICE CONFIG
1 KEYBOARD
2 DISPLAY
3 PRINTER
4 ONLINE

PGM                  01
```

**1.** In the SETTING window, select "11 DEVICE CONFIG."

- The DEVICE CONFIG window will appear.

**2.** Select any option from the following options list:

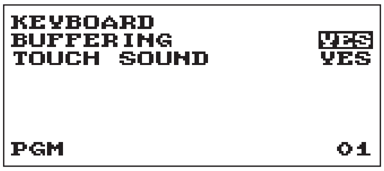
| | |
|---|---|
| 1 KEYBOARD | Keyboard |
| 2 DISPLAY | Display |
| 3 PRINTER | Printer |
| 4 ONLINE | Online |

The following illustration shows those options included in this programming group.

11 DEVICE CONFIG
- 1 KEYBOARD → See "Keyboard" on page 101.
- 2 DISPLAY → See "Display" on page 102.
- 3 PRINTER → See "Printer" on page 102.
- 4 ONLINE → See "Online" on page 102.

## ■ Keyboard

**Procedure**



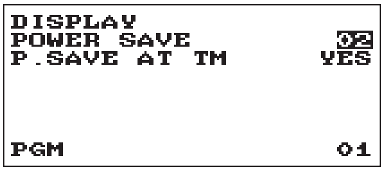
```
KEYBOARD
BUFFERING           YES
TOUCH SOUND         YES



PGM                  01
```

Program each item as follows:

- **BUFFERING (Use the selective entry)**
  YES: Enables the buffering keyboard.
  NO: Disables the buffering keyboard.
- **TOUCH SOUND (Use the selective entry)**
  YES: Set to sound.
  NO: Not to sound.

## ■ Display

**Procedure**



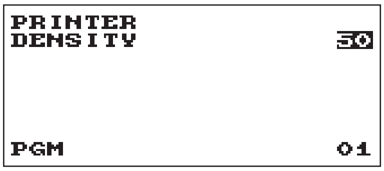
```
DISPLAY
POWER SAVE                02
P.SAVE AT TM             YES


PGM                       01
```

Program each item as follows:

- **POWER SAVE (Use the numeric entry)**
  Time of the power save (2 digits: 1 to 99 minutes, 0:100minutes).
- **P. SAVE AT TM (Use the selective entry)**
  Power saving during time display:
  YES: Enables power saving during time display.
  NO: Disables power saving during time display.

## ■ Printer

**Procedure**



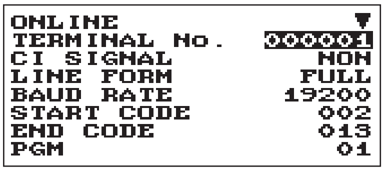
```
PRINTER
DENSITY                   50


PGM                       01
```

Program each item as follows:

- **DENSITY (Use the numeric entry)**
  Select a density level (2 digits: 00 to 99).
  00: 89% for standard
  50: 100% for standard
  99: 111% for standard

## ■ Online

**Procedure**



```
ONLINE                     ▼
TERMINAL No.          000001
CI SIGNAL                NON
LINE FORM               FULL
BAUD RATE              19200
START CODE               002
END CODE                 013
PGM                       01
```

The screen continues.

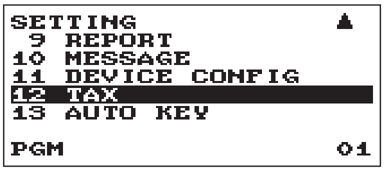
Program each item as follows:

- **TERMINAL No. (Use the numeric entry)**
  Terminal number (6 digits: 0 to 999999).
- **CI SIGNAL (Use the selective entry)**
  Sensing of the CI signal
  NON: Disables sensing of the CI signal.
  SENSING: Enables sensing of the CI signal.
- **LINE FORM (Use the selective entry)**
  Programming of the modem control
  FULL: Full duplex system.
  HALF: Half duplex system.
- **BAUD RATE (Use the selective entry)**
  Transmission data rate.
  38400 bps 19200 bps
  9600 bps 4800 bps
- **START CODE (Use the numeric entry)**
  Start code (3 digits: 0 to 127)
- **END CODE (Use the numeric entry)**
  End code (3 digits: 0 to 127)
- **TIME OUT (Use the numeric entry)**
  Programming of the time-out time (3 digits: 1 to 255 sec.)

# Tax Programming

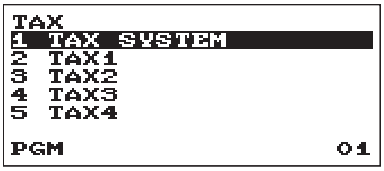
Use the following procedure to select any option included in the tax group:

**Procedure**



```
SETTING              ▲
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG
12 TAX
13 AUTO KEY

PGM                 01
```

▼



```
TAX
1 TAX SYSTEM
2 TAX1
3 TAX2
4 TAX3
5 TAX4

PGM                 01
```

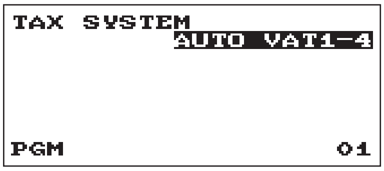
**1.** In the SETTING window, select “12 TAX.”
- The TAX window will appear.

**2.** Select any option from the following options list:

| | | |
|---|---|---|
| 1 | `TAX SYSTEM` | Tax system |
| 2 | `TAX1` | Tax1 |
| 3 | `TAX2` | Tax2 |
| 4 | `TAX3` | Tax3 |
| 5 | `TAX4` | Tax4 |

## ■ Tax system

**Procedure**

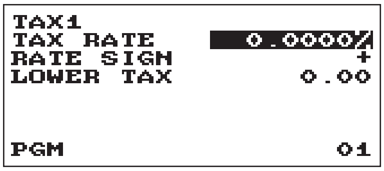


```
TAX SYSTEM
         AUTO VAT1-4



PGM                 01
```

- **Tax system (Use the selective entry)**
  AUTO TAX 1-4
  AUTO VAT 1-4
  MANUAL VAT 1-4
  MANUAL VAT 1
  MANUAL TAX 1-4
  VAT1 & TAX 2-4

## ■ Tax 1 through 4

**Procedure**



```
TAX1
TAX RATE     0.0000%
RATE SIGN          +
LOWER TAX       0.00


PGM                 01
```

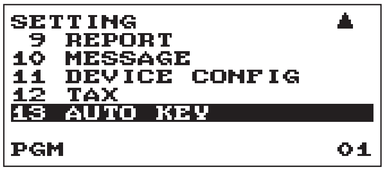
- **TAX RATE (Use the numeric entry)**
  Tax rate (max. 7 digits: 0.0000 to 999.9999%)
- **RATE SIGN (Use the selective entry)**
  +: Plus rate
  –: Minus rate
  - This option is not available in the VAT system.
- **LOWER TAX (Use the numeric entry)**
  Lowest taxable amount (max. 5 digits: 0.00 to 999.99)
  - This option is not available in the VAT system.

# Automatic Sequencing Key Programming

If you program frequently performed key operations for the AUTO keys, you can enter those key operations simply by pressing the corresponding AUTO keys in key operations.

**Procedure**

## ■ Key Text

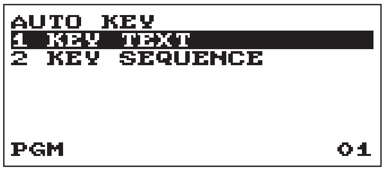


```
SETTING                 ▲
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG
12 TAX
13 AUTO KEY
PGM                    01
```

**1.** In the SETTING window, select “13 AUTO KEY.”

- The AUTO KEY window will appear.

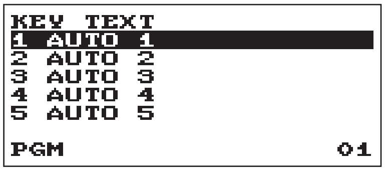
▼



```
AUTO KEY
1 KEY TEXT
2 KEY SEQUENCE
PGM                    01
```

**2.** Select “1 KEY TEXT” by the TL/NS key.

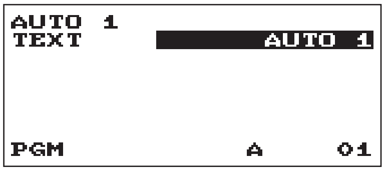
▼



```
KEY TEXT
1 AUTO 1
2 AUTO 2
3 AUTO 3
4 AUTO 4
5 AUTO 5
PGM                    01
```

**3.** Select the pertinent Auto key from the key list by the TL/NS key.

▼



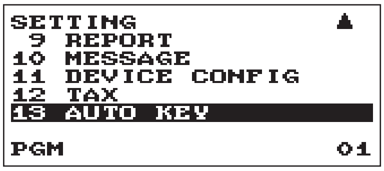
```
AUTO 1
TEXT              AUTO 1
PGM              A     01
```

**4.** Enter the title of the operation for the key sequence to allocate.

TEXT: up to 12 digits

## ■ Key Sequence

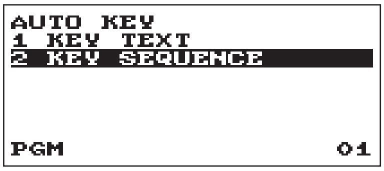
**Procedure**



```
SETTING                ▲
 9 REPORT
10 MESSAGE
11 DEVICE CONFIG
12 TAX
13 AUTO KEY
PGM                   01
```

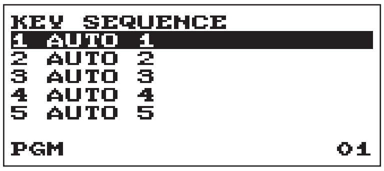
**1.** In the SETTING window, select “13 AUTO KEY.”
- The AUTO KEY window will appear.

**2.** Select “2 KEY SEQUENCE” by the TL/NS key.



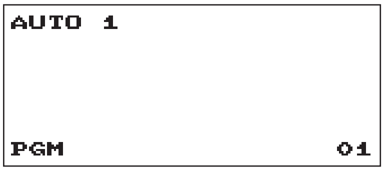
```
AUTO KEY
1 KEY TEXT
2 KEY SEQUENCE

PGM                   01
```

**3.** Select the pertinent Auto key from the key list by the TL/NS key.



```
KEY SEQUENCE
1 AUTO 1
2 AUTO 2
3 AUTO 3
4 AUTO 4
5 AUTO 5
PGM                   01
```

**4.** Enter the key operation sequence by any key except the AUTO MENU key.
The register allows to program up to 25 keys for each AUTO key.

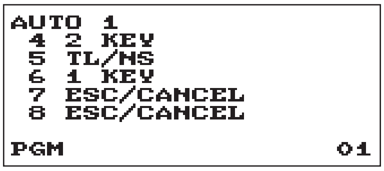


```
AUTO 1


PGM                   01
```

**5.** To terminate the procedure press the AUTO MENU key, the confirmation window will appear for sequence data saving.
Select “SAVE” or “ABANDON” and press the TL/NS key.

**Example** In case of the X1 General report printing.

**Display**



```
AUTO 1
 4 2 KEY
 5 TL/NS
 6 1 KEY
 7 ESC/CANCEL
 8 ESC/CANCEL
PGM                   01
```

**Key operation**

MODE
4=(select X1/Z1 MODE)
TL/NS
2=(select READING)
TL/NS
1=(select GENERAL)
ESC/CANCEL
ESC/CANCEL
AUTO MENU

# Reading of Stored Programs

You can read programs stored in the PGM mode.

## ■ Program reading sequence

To read those programs stored in the PGM mode, use the following procedure:

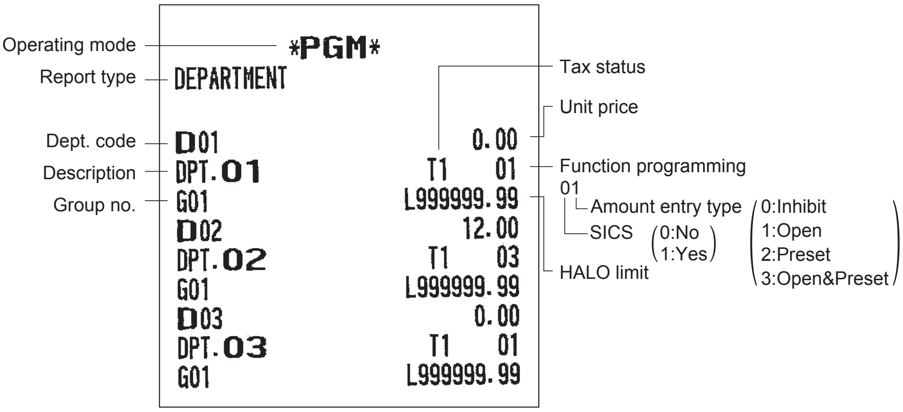
1. Select the PGM mode from the mode selection window.
2. Select “1 READING” from the PGM mode to display the items list, and press the TL/NS key.

Select an item listed in the table shown later.

| | **Item:** | **Description:** |
|---|---|---|
| 1 | DEPARTMENT | Department |
| 2 | PLU | PLU |
| 3 | FUNCTIONS | Function |
| 4 | MEDIA | Media |
| 5 | FUNCTION TEXT | Function Text |
| 6 | CLERK | Clerk |
| 7 | MANAGER | Manager |
| 8 | MODE PASS CODE | Mode pass code |
| 9 | TRAINING CLK | Training clerk |
| 10 | OPTIONAL | Optional |
| 11 | REPORT | Report |
| 12 | MESSAGE | Message |
| 13 | DEVICE CONFIG | Device config. |
| 14 | TAX | Tax |
| 15 | AUTO KEY | Auto key |
| 16 | ROM VERSION | ROM version |

## ■ Sample printouts

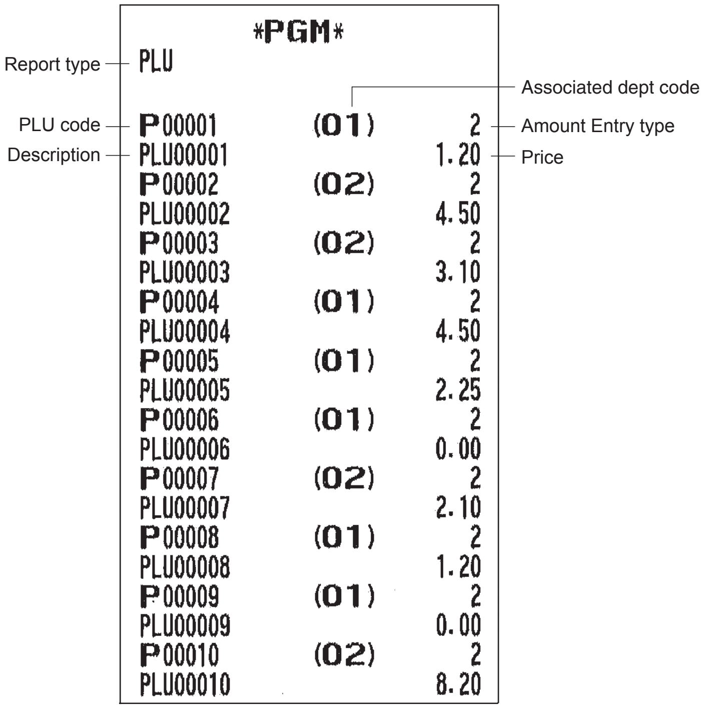
### • Departments (PGM mode)



```
          *PGM*
DEPARTMENT

D01                 0.00
DPT.01          T1    01
G01           L999999.99
D02                12.00
DPT.02          T1    03
G01           L999999.99
D03                 0.00
DPT.03          T1    01
G01           L999999.99
```

Operating mode
Report type
Dept. code
Description
Group no.
Tax status
Unit price
Function programming
01
Amount entry type
0:Inhibit
1:Open
2:Preset
3:Open&Preset
SICS
0:No
1:Yes
HALO limit

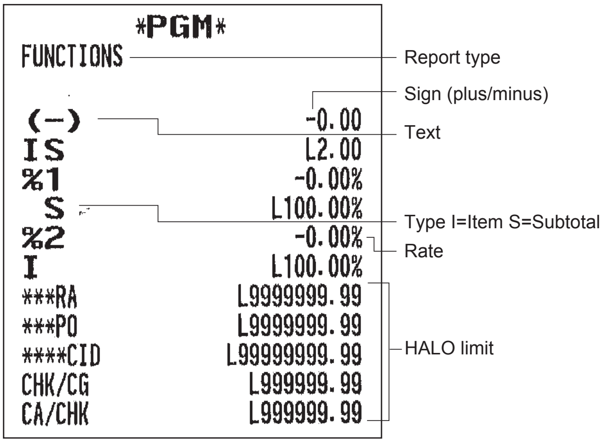
### • PLU (PGM mode)



```
          *PGM*
PLU

P00001       (01)      2
PLU00001            1.20
P00002       (02)      2
PLU00002            4.50
P00003       (02)      2
PLU00003            3.10
P00004       (01)      2
PLU00004            4.50
P00005       (01)      2
PLU00005            2.25
P00006       (01)      2
PLU00006            0.00
P00007       (02)      2
PLU00007            2.10
P00008       (01)      2
PLU00008            1.20
P00009       (01)      2
PLU00009            0.00
P00010       (02)      2
PLU00010            8.20
```

Report type
PLU code
Description
Associated dept code
Amount Entry type
Price

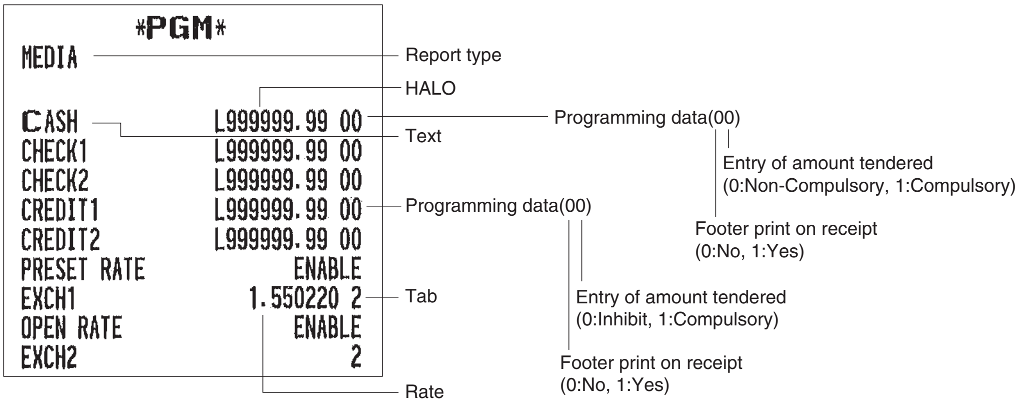
## • Functions (PGM mode)



```
        *PGM*
FUNCTIONS

(-)              -0.00
IS               L2.00
%1              -0.00%
 S            L100.00%
%2              -0.00%
I             L100.00%
***RA      L9999999.99
***PO      L9999999.99
****CID   L99999999.99
CHK/CG      L999999.99
CA/CHK      L999999.99
```

Report type
Sign (plus/minus)
Text
Type I=Item S=Subtotal
Rate
HALO limit

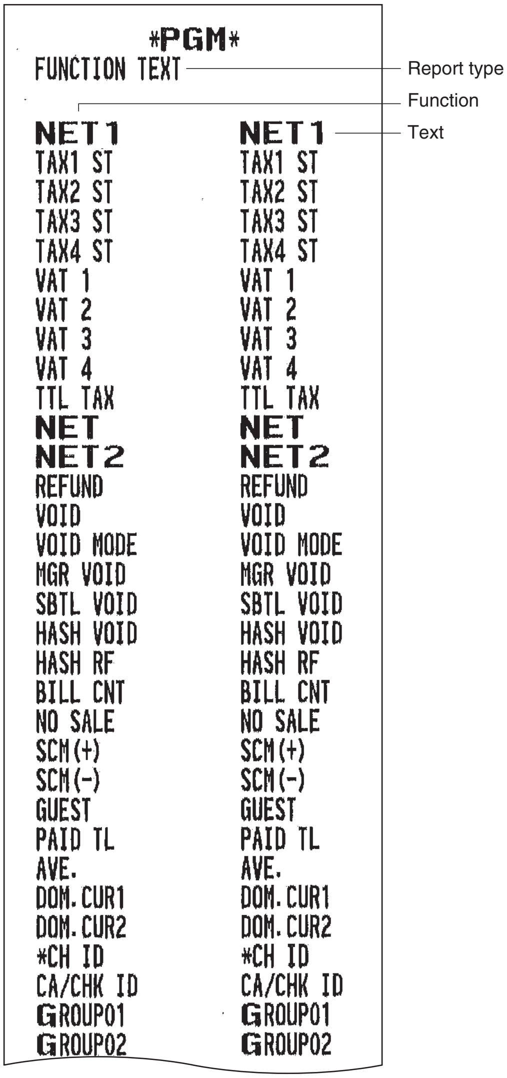
## • Media (PGM mode)



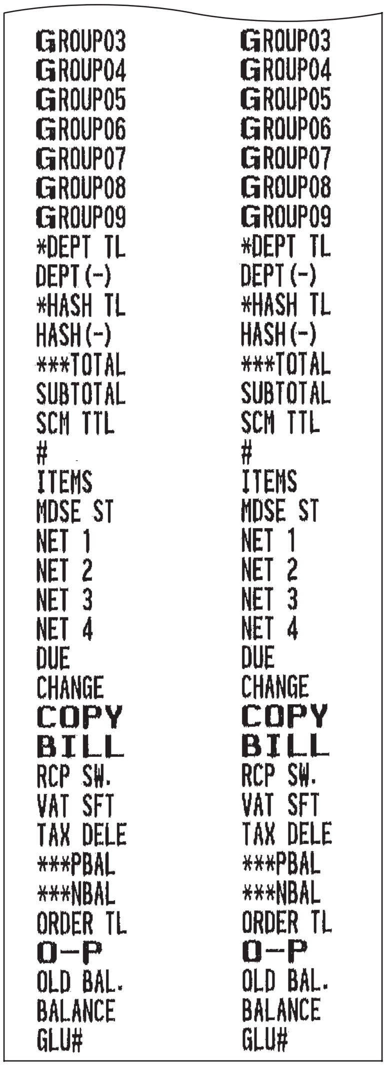
```
        *PGM*
MEDIA

CASH        L999999.99 00
CHECK1      L999999.99 00
CHECK2      L999999.99 00
CREDIT1     L999999.99 00
CREDIT2     L999999.99 00
PRESET RATE        ENABLE
EXCH1          1.550220 2
OPEN RATE          ENABLE
EXCH2                   2
```

Report type
HALO
Programming data(00)
Text
Entry of amount tendered
(0:Non-Compulsory, 1:Compulsory)
Programming data(00)
Footer print on receipt
(0:No, 1:Yes)
Tab
Entry of amount tendered
(0:Inhibit, 1:Compulsory)
Footer print on receipt
(0:No, 1:Yes)
Rate

- **Function Text (PGM mode)**

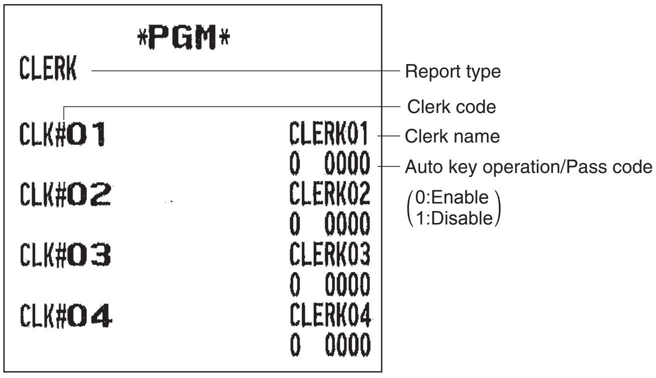

Report type
Function
Text

```
       *PGM*
FUNCTION TEXT

NET1               NET1
TAX1 ST            TAX1 ST
TAX2 ST            TAX2 ST
TAX3 ST            TAX3 ST
TAX4 ST            TAX4 ST
VAT 1              VAT 1
VAT 2              VAT 2
VAT 3              VAT 3
VAT 4              VAT 4
TTL TAX            TTL TAX
NET                NET
NET2               NET2
REFUND             REFUND
VOID               VOID
VOID MODE          VOID MODE
MGR VOID           MGR VOID
SBTL VOID          SBTL VOID
HASH VOID          HASH VOID
HASH RF            HASH RF
BILL CNT           BILL CNT
NO SALE            NO SALE
SCM(+)             SCM(+)
SCM(-)             SCM(-)
GUEST              GUEST
PAID TL            PAID TL
AVE.               AVE.
DOM.CUR1           DOM.CUR1
DOM.CUR2           DOM.CUR2
*CH ID             *CH ID
CA/CHK ID          CA/CHK ID
GROUP01            GROUP01
GROUP02            GROUP02
```



```
GROUP03            GROUP03
GROUP04            GROUP04
GROUP05            GROUP05
GROUP06            GROUP06
GROUP07            GROUP07
GROUP08            GROUP08
GROUP09            GROUP09
*DEPT TL           *DEPT TL
DEPT(-)            DEPT(-)
*HASH TL           *HASH TL
HASH(-)            HASH(-)
***TOTAL           ***TOTAL
SUBTOTAL           SUBTOTAL
SCM TTL            SCM TTL
#                  #
ITEMS              ITEMS
MDSE ST            MDSE ST
NET 1              NET 1
NET 2              NET 2
NET 3              NET 3
NET 4              NET 4
DUE                DUE
CHANGE             CHANGE
COPY               COPY
BILL               BILL
RCP SW.            RCP SW.
VAT SFT            VAT SFT
TAX DELE           TAX DELE
***PBAL            ***PBAL
***NBAL            ***NBAL
ORDER TL           ORDER TL
O-P                O-P
OLD BAL.           OLD BAL.
BALANCE            BALANCE
GLU#               GLU#
```

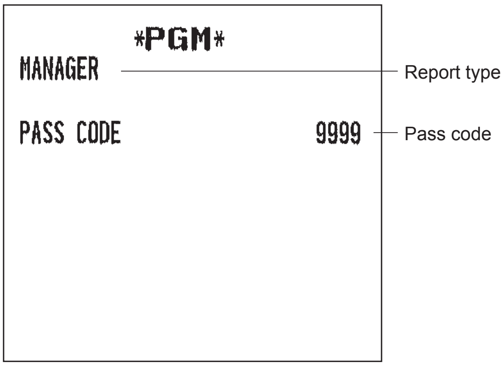
- **Clerk (PGM mode)**



```
        *PGM*
CLERK

CLK#01             CLERK01
                   0  0000
CLK#02             CLERK02
                   0  0000
CLK#03             CLERK03
                   0  0000
CLK#04             CLERK04
                   0  0000
```

Report type
Clerk code
Clerk name
Auto key operation/Pass code
(0:Enable
1:Disable)

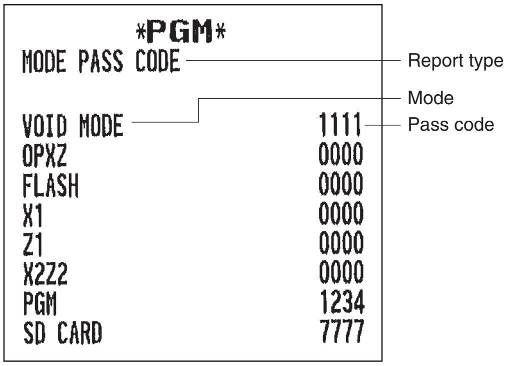
- **Manager (PGM mode)**



```
        *PGM*
MANAGER

PASS CODE             9999
```

Report type
Pass code

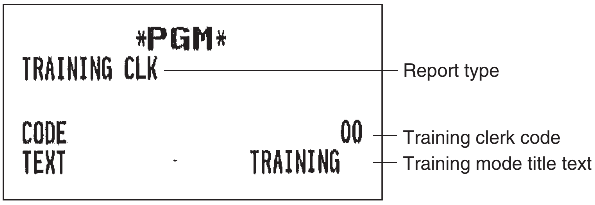
- **Mode Pass Code (PGM mode)**



```
        *PGM*
MODE PASS CODE

VOID MODE             1111
OPXZ                  0000
FLASH                 0000
X1                    0000
Z1                    0000
X2Z2                  0000
PGM                   1234
SD CARD               7777
```

Report type
Mode
Pass code

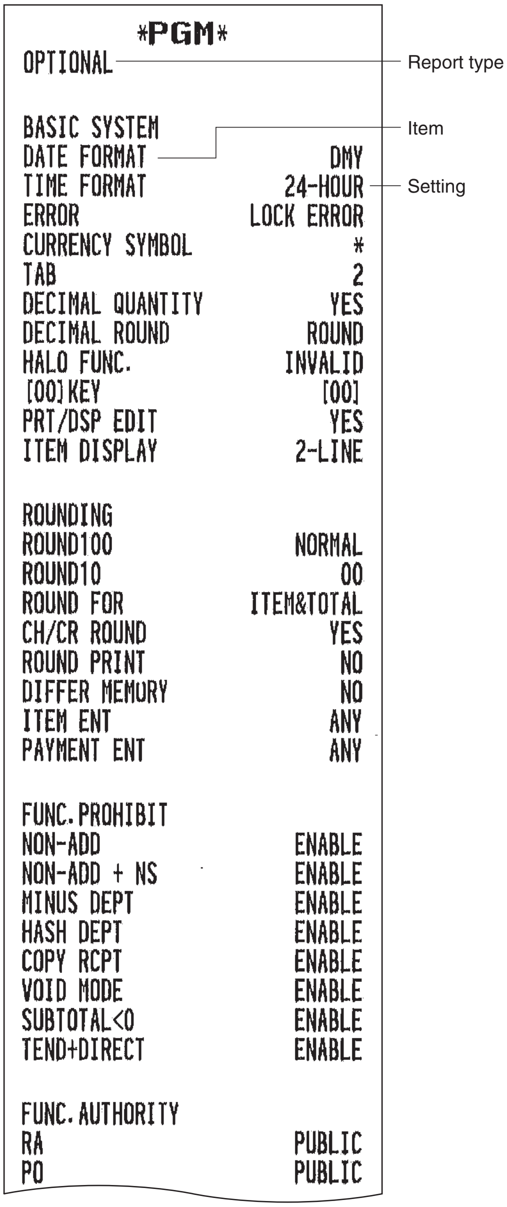
- **Training clerk (PGM mode)**



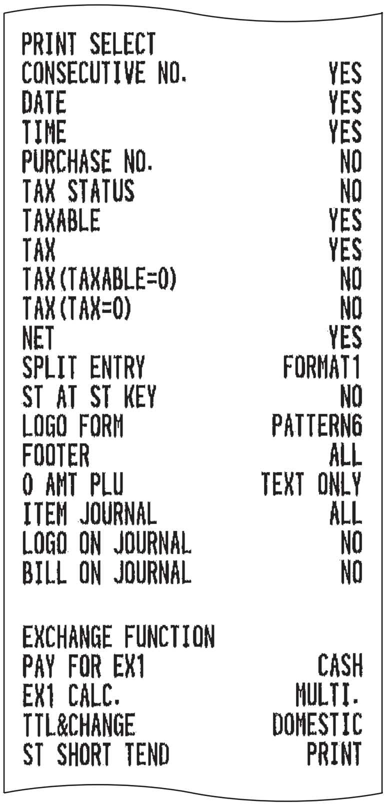
```
        *PGM*
TRAINING CLK

CODE                    00
TEXT              TRAINING
```

Report type
Training clerk code
Training mode title text

- **Optional (PGM mode)**

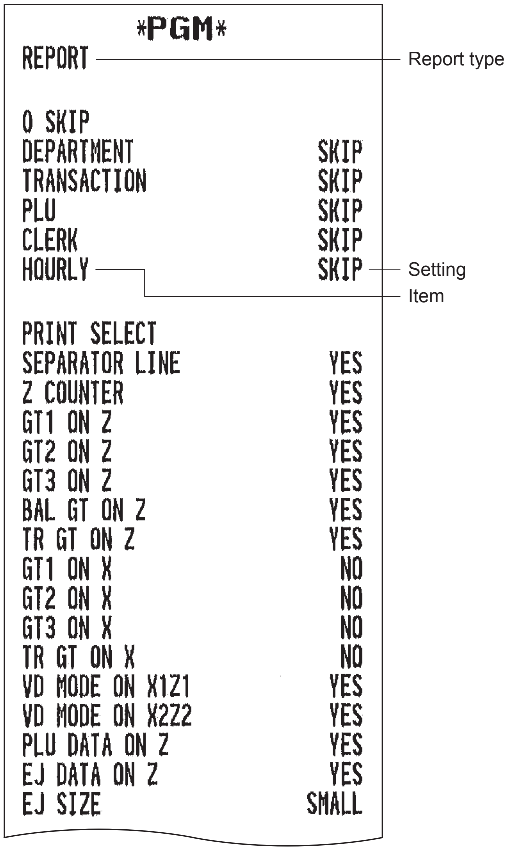

Report type
Item
Setting

```
          *PGM*
OPTIONAL

BASIC SYSTEM
DATE FORMAT               DMY
TIME FORMAT           24-HOUR
ERROR              LOCK ERROR
CURRENCY SYMBOL             *
TAB                         2
DECIMAL QUANTITY          YES
DECIMAL ROUND           ROUND
HALO FUNC.            INVALID
[00]KEY                  [00]
PRT/DSP EDIT              YES
ITEM DISPLAY           2-LINE

ROUNDING
ROUND100               NORMAL
ROUND10                    00
ROUND FOR          ITEM&TOTAL
CH/CR ROUND               YES
ROUND PRINT                NO
DIFFER MEMORY              NO
ITEM ENT                  ANY
PAYMENT ENT               ANY

FUNC.PROHIBIT
NON-ADD                ENABLE
NON-ADD + NS           ENABLE
MINUS DEPT             ENABLE
HASH DEPT              ENABLE
COPY RCPT              ENABLE
VOID MODE              ENABLE
SUBTOTAL<0             ENABLE
TEND+DIRECT            ENABLE

FUNC.AUTHORITY
RA                     PUBLIC
PO                     PUBLIC
```



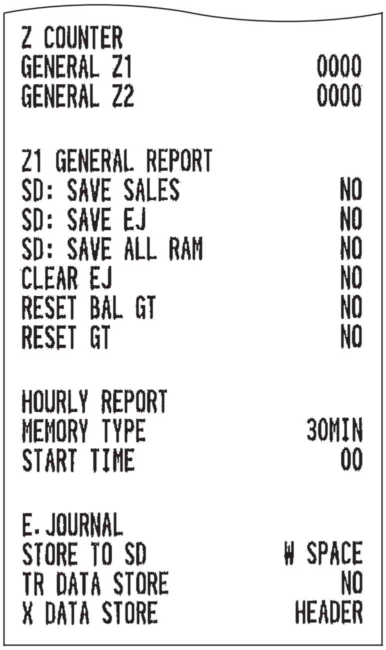
```
PRINT SELECT
CONSECUTIVE NO.           YES
DATE                      YES
TIME                      YES
PURCHASE NO.               NO
TAX STATUS                 NO
TAXABLE                   YES
TAX                       YES
TAX(TAXABLE=0)             NO
TAX(TAX=0)                 NO
NET                       YES
SPLIT ENTRY           FORMAT1
ST AT ST KEY               NO
LOGO FORM            PATTERN6
FOOTER                    ALL
0 AMT PLU           TEXT ONLY
ITEM JOURNAL              ALL
LOGO ON JOURNAL            NO
BILL ON JOURNAL            NO

EXCHANGE FUNCTION
PAY FOR EX1              CASH
EX1 CALC.              MULTI.
TTL&CHANGE           DOMESTIC
ST SHORT TEND           PRINT
```

- **Report (PGM mode)**



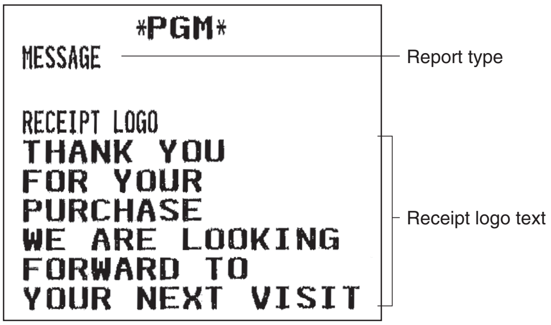
```
        *PGM*
REPORT

0 SKIP
DEPARTMENT              SKIP
TRANSACTION             SKIP
PLU                     SKIP
CLERK                   SKIP
HOURLY                  SKIP

PRINT SELECT
SEPARATOR LINE           YES
Z COUNTER                YES
GT1 ON Z                 YES
GT2 ON Z                 YES
GT3 ON Z                 YES
BAL GT ON Z              YES
TR GT ON Z               YES
GT1 ON X                  NO
GT2 ON X                  NO
GT3 ON X                  NO
TR GT ON X                NO
VD MODE ON X1Z1          YES
VD MODE ON X2Z2          YES
PLU DATA ON Z            YES
EJ DATA ON Z             YES
EJ SIZE                SMALL
```

Report type
Setting
Item



```
Z COUNTER
GENERAL Z1              0000
GENERAL Z2              0000

Z1 GENERAL REPORT
SD: SAVE SALES            NO
SD: SAVE EJ               NO
SD: SAVE ALL RAM          NO
CLEAR EJ                  NO
RESET BAL GT              NO
RESET GT                  NO

HOURLY REPORT
MEMORY TYPE            30MIN
START TIME                00

E.JOURNAL
STORE TO SD          W SPACE
TR DATA STORE             NO
X DATA STORE          HEADER
```

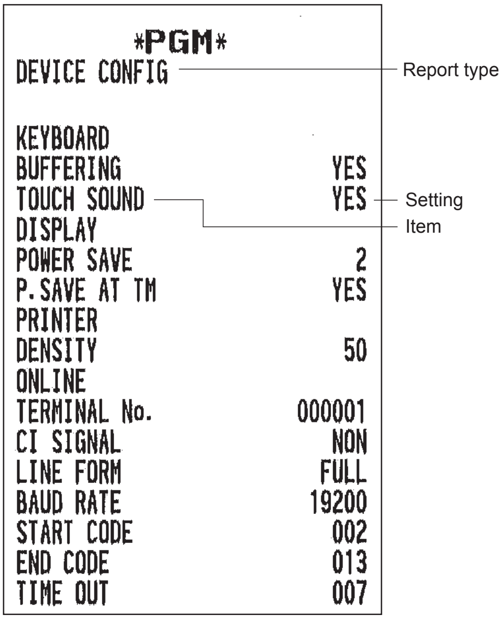
- **Message (PGM mode)**



```
        *PGM*
MESSAGE

RECEIPT LOGO
THANK YOU
FOR YOUR
PURCHASE
WE ARE LOOKING
FORWARD TO
YOUR NEXT VISIT
```

Report type
Receipt logo text

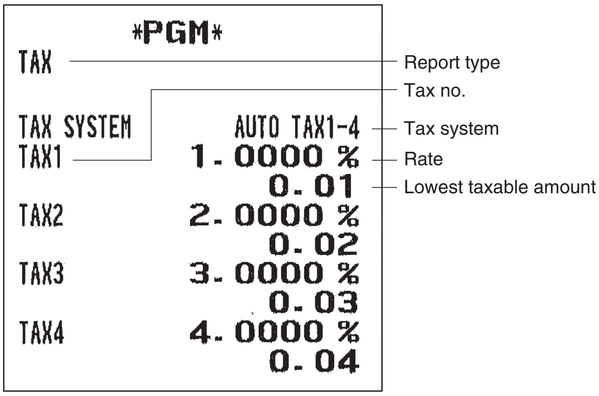
- **Device configuration (PGM mode)**



```
         *PGM*
DEVICE CONFIG

KEYBOARD
BUFFERING                YES
TOUCH SOUND              YES
DISPLAY
POWER SAVE                 2
P.SAVE AT TM             YES
PRINTER
DENSITY                   50
ONLINE
TERMINAL No.          000001
CI SIGNAL                NON
LINE FORM               FULL
BAUD RATE              19200
START CODE               002
END CODE                 013
TIME OUT                 007
```

Report type
Setting
Item

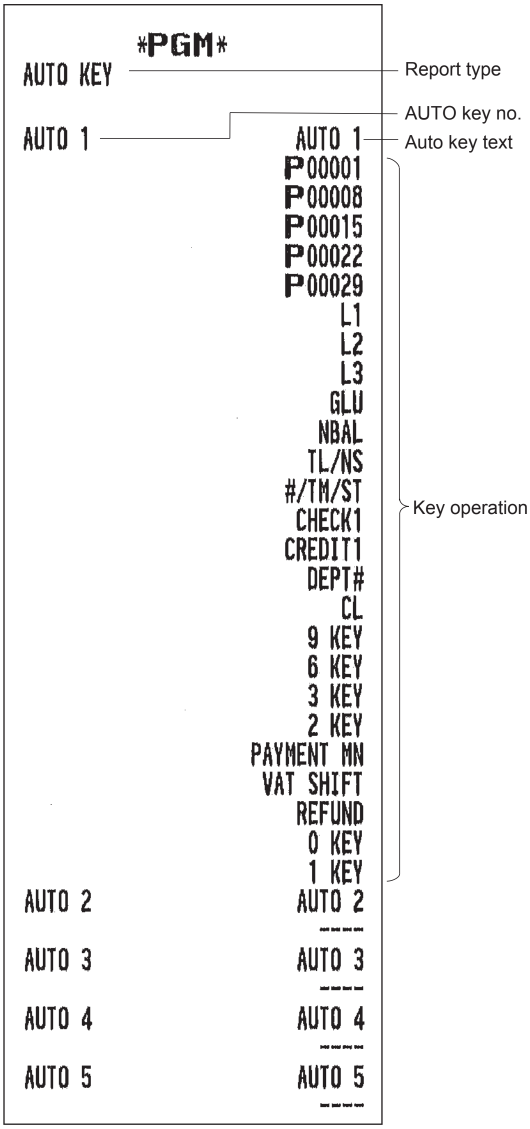
- **Tax rate (PGM mode)**



```
         *PGM*
TAX

TAX SYSTEM       AUTO TAX1-4
TAX1             1.0000 %
                     0.01
TAX2             2.0000 %
                     0.02
TAX3             3.0000 %
                     0.03
TAX4             4.0000 %
                     0.04
```

Report type
Tax no.
Tax system
Rate
Lowest taxable amount

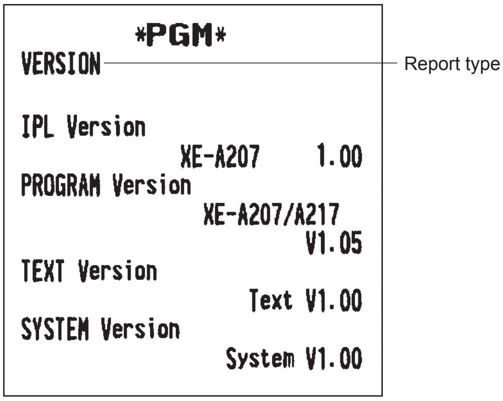
- **AUTO key (PGM mode)**



```
        *PGM*
AUTO KEY

AUTO 1               AUTO 1
                     P00001
                     P00008
                     P00015
                     P00022
                     P00029
                         L1
                         L2
                         L3
                        GLU
                       NBAL
                      TL/NS
                    #/TM/ST
                     CHECK1
                    CREDIT1
                      DEPT#
                         CL
                      9 KEY
                      6 KEY
                      3 KEY
                      2 KEY
                 PAYMENT MN
                  VAT SHIFT
                     REFUND
                      0 KEY
                      1 KEY
AUTO 2               AUTO 2
                       ----
AUTO 3               AUTO 3
                       ----
AUTO 4               AUTO 4
                       ----
AUTO 5               AUTO 5
                       ----
```

Report type
AUTO key no.
Auto key text
Key operation

- **ROM version (PGM mode)**



```
        *PGM*
VERSION

IPL Version
          XE-A207     1.00
PROGRAM Version
             XE-A207/A217
                     V1.05
TEXT Version
               Text V1.00
SYSTEM Version
             System V1.00
```

Report type

# SD CARD Mode

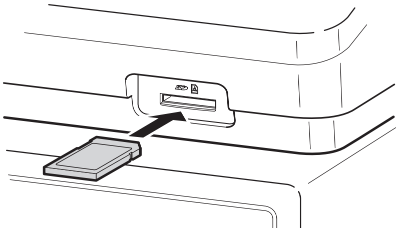
The register's data can be saved to the SD memory card, and the programming data can be loaded from the SD memory card.
To use the SD card function, select the "7 SD CARD MODE" in the mode selection window and perform the following operations.

## ■ Inserting and removing an SD memory card

The SD card slot is located on the front side of your register.

**Inserting an SD memory card**
Insert an SD memory card into the SD card slot with the printed SD logo facing upwards. Push the card in steady with a finger until it clicks and release it slowly.

**Removing the SD memory card**
Push in the card gently with a finger and release it. The card will come out.



**NOTE**

- *This model supports SD cards only. Use of any other types of SD cards such as mini SD, micro SD, etc. with an adapter is not supported.*
- *When inserting or removing the SD memory card, be sure to release it slowly. Otherwise, the card may pop out and injure your finger.*
- *Never touch or remove the SD memory card while it is accessed, otherwise the data stored in it may be damaged.*
- *Formatting the SD memory card erases all the data in it.*

**CAUTION** **Never turn the power off, while the SD memory card is accessed.**

## ■ SD card formatting

When the SD card is not formatted yet, take the formatting operation.

**Procedure**

(1) Select "4 FORMATTING" in the SD CARD mode, the confirmation window is displayed.
(2) To perform the format operation, select OK and press the TL/NS key.
To cancel the operation, select CANCEL and press the TL/NS key.

## ■ Folder creating

The master folder can be created for the data file.
\ SHARP\ ECRXXX11\ nnnnnnnn (nnnnnnnn:folder name)

**Procedure**

(1) Select "3 FOLDER CONTROL" in the SD CARD mode and press the TL/NS key.
(2) Select "1 CREATE FOLDER", the folder name entry window is displayed.
(3) Enter the required folder name and press the TL/NS key.
To cancel the operation, press the ESC/CANCEL key.

## ■ Folder name selecting

Procedure

(1) Select “3 FOLDER CONTROL” in the SD CARD mode and press the TL/NS key, the FOLDER CONTROL window is displayed.
(2) Select “2 SELECT FOLDER”, the folder name list window is displayed.
(3) Select the required folder name from the list, and press the TL/NS key.
To cancel the operation, press the ESC/CANCEL key.

## ■ Data saving

The sales data, EJ data or programming data can be saved to the SD card.

Procedure

(1) Select “1 SAVING” in the SD CARD mode, the selection window “SAVE” or “SAVE FOR ONLINE” is displayed.
1. SAVE: Saves data
2. SAVE FOR ONLINE: Saves and adds data to existing file and clears the data at the register

Select the operation “SAVE” or “SAVE FOR ONLINE” and press the TL/NS key; the following data list window is displayed. (If you selected "SAVE FOR ONLINE", only "EJ DATA" is displayed.)

| Text | Data list |
|---|---|
| SALES DATA | Sales data (CSV format) |
| EJ DATA | Electronic journal data |
| IND. PROGRAM | Select the individual programming data:<br>DEPARTMENT,<br>PLU,<br>GRAPHIC LOGO<br>LOGO TEXT<br>TAX |
| ALL PROGRAM | All programming data |
| ALL RAM DATA | All RAM data |

(2) Select the data menu from the list and press the TL/NS key, the confirmation window is displayed.
To save the required data file, select OK and press the TL/NS key.
To cancel the operation, select CANCEL and press the TL/NS key.

## ■ Data loading

The programming data can be loaded from the SD card.

**Procedure**

(1) Select “2 LOADING” in the SD CARD mode and the press TL/NS key. The following selection window is displayed.

| Text | Data list |
|---|---|
| IND. PROGRAM | Select the individual programming data:<br>DEPARTMENT,<br>PLU,<br>GRAPHIC LOGO<br>LOGO TEXT<br>TAX |
| ALL PROGRAM | All programming data |
| ALL RAM DATA* | All RAM data |

(2) Select the data menu from the list and press the TL/NS key, the confirmation window is displayed.
To load the programming data file, select OK and press the TL/NS key.
To cancel the operation, select CANCEL and press the TL/NS key.

* When “ALL RAM DATA” is selected, the register resets the program in the last save point after loading all the RAM data.

**NOTE** *The loading operation must be circumspect in execution, the sales data and/or all programming data will be recovered with the back-up data.*

# 11 Electronic Journal

## Electronic journal

This function is intended to record the journal data in the electronic journal file (memory) instead of journal paper.

- **Recording data**

The register records the printing output to the journal printer in all modes into the electronic journal file.

- **Reporting (X report)**

The register reports the journal data (same as normal journal formats) in the electronic journal file by the report printer.

Operation: Select the reading operation “E.JOURNAL” in X1/Z1 or OPXZ (only printing) mode.
It is possible to use filter functions (consecutive no./date/time/clerk code).
C.C. No. (Consecutive no.): ALL or RANGE (designate start no./end no.)
DATE (Date): ALL or RANGE (designate start date/end date)
TIME (Time): ALL or RANGE (designate start time/end time)
CLERK (Clerk code): ALL or INDIVIDUAL (designate clerk code)

- **Resetting (Z report)**

It is possible to take the resetting report of the journal data in the electronic journal file by the report printer.

Operation: Select the resetting operation “E.JOURNAL” in X1/Z1 or OPXZ mode.
The filter functions (consecutive no./date/time/clerk code) can not be used.

# 12 EURO Migration Function

Basically your register can be automatically modified to correspond to the introduction of EURO by executing the operation “EURO STATUS” in X2/Z2 mode. However, there are several options you must set depending on your need. Carefully conduct necessary settings.

**EURO status:**
You can select status from following 4 types ((A), (B), (C), or (D)). And the selectable type is decided as follows for each status. Type (A) is the base status (initial status).

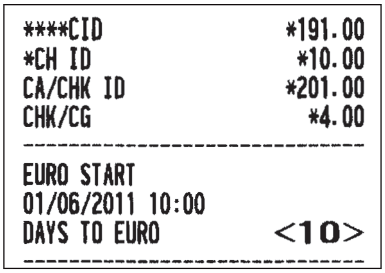
From type (A) ——— selectable ——→ Type (B), (C), or (D)
From type (B) ——— selectable ——→ Type (C), (D)
From type (C) ——— selectable ——→ Type (D)

| Items | | Type (B) | Type (C) | Type (D) |
|---|---|---|---|---|
| 1 | General Z1 report | ISSUE | ISSUE | ISSUE |
| 2 | General Z2 report | ISSUE | ISSUE | ISSUE |
| 3 | GT1/2/3 & Training GT | — | CLEAR | CLAER |
| 4 | Convert the unit price of DEPT/PLU* | — | CONVERTING | CONVERTING |
| 5 | EX1 AMOUNT PRINTING FOR TOTAL AND CHANGE | YES | YES | NO |
| 6 | EX1 CALCULATTION METHOD | DIVISION | MULTI. | MULTI. |
| 7 | EX1 currency symbol | [EURO] | The current domestic currency symbol | — |
| 8 | EX1 TAB | 2 | The current domestic TAB | — |
| 9 | Domestic currency symbol | — | [EURO] | [EURO] |
| 10 | Domestic TAB | — | 2 | 2 |
| 11 | Rounding SYSTEM (Denmark/Sweden/Normal) | — | Normal | Normal |
| 12 | Rounding up/down of the unit digits of AMOUNT | — | No | No |
| 13 | Lowest digit entering limitation of item | — | Arbitrary | Arbitrary |
| 14 | Lowest digit entering limitation of payment | — | Arbitrary | Arbitrary |
| 15 | Difference memory | — | No | No |
| 16 | Rounding of foreign currency for EX1 | ROUND OFF (4DOWN-5UP) | ROUND OFF (4DOWN-5UP) | ROUND OFF (4DOWN-5UP) |

The marked items “—” is remaining the current data.

*: The preset rate of the Exchange1 is applied as the conversion rate, and the calculation method is set to “division”. When the conversion has been made, the message “PRICE CONVERTED” is printed on the report.

**Setting the date and time when the automatic EURO modification operation should be executed**
To certainly execute the automatic modification operation, you can program the scheduled date and time to execute the automatic EURO modification operation. From ten days before the preset date, the remaining days are printed at the bottom of the daily full resetting report.



```
****CID             *191.00
*CH ID               *10.00
CA/CHK ID           *201.00
CHK/CG                *4.00
---------------------------
EURO START
01/06/2011 10:00
DAYS TO EURO           <10>
---------------------------
```

Date and time setting will be reset after the execution of automatic modification operation, and again you can program the date and time for the next automatic modification operation.

Also you can make the automatic EURO modification operation compulsory. When the above-mentioned preset date and time has come, and also when you start an entry in the REG/MGR mode, the error message “EURO CHANGE ENTRY COMPULSORY” will be displayed. You cannot start any operation in the REG/MGR mode until you make the operation.

**Automatic EURO modification operation**

1. Select “5 X2/Z2 MODE”.
2. Select “3 EURO STATUS” from the menu.
3. Select the status you want to set (B, C or D) referring to the table on the previous page. Press the [•] key to toggle the options.
   Please note that once you set a status, you cannot return to the previous status(es).

   **Important note**
   As for the miscellaneous keys, such as [⊖] and [%1] keys, and for the HALO setting, the automatic conversion will not be made. You need to change the % rates or amounts in the PGM mode after the execution of the automatic modification operation for EURO so that they are based on amounts in EURO.

**NOTE** *It is executed some of following operation which is needed for each status. 1) Issue General Z1 report. 2) Issue General Z2 report. 3) Clear GT1/2/3 and Training GT. 4) Convert the unit price of DEPT/PLU from LOCAL currency to EURO. If new unit price is over the max digits, its price is set as "0.00". 5) Change PGM function “EX1 AMOUNT PRINTING FOR TOTAL AND CHANGE YES/NO”. 6) Change PGM function “EX1 CALCULATTION METHOD DIVISION/MULTIPLICATION”. 7) Set “EX1 currency symbol” as the suitable data. 8) Set “EX1 TAB” as the suitable data. 9) Set “Domestic currency symbol” as EURO SYMBOL. 10) Set “Domestic TAB” as “2”. 11) Set “Rounding SYSTEM (Denmark/Sweden/Normal)” as “Normal”. 12) Set “Rounding up/down of the unit digits of AMOUNT” as “No”. 13) Set “Lowest digit entering limitation of item” as “Arbitrary”. 14) Set “Lowest digit entering limitation of payment” as “Arbitrary”. 15) Set “Difference memory” as “No”. 16) Set “Rounding of foreign currency for EX” as “Round off(4-DOWN,5-UP)”. (EURO Regulation)*

**NOTE** *This job cannot set the following additional EURO function. You must set the following items by each programming after executing the automatic EURO modification operation. 1) Exchange1 rate, (2) “Check, Credit operation for Exchange1 — YES/NO”*

# 13 Operator Maintenance

## In Case of Power Failure

When power is lost, the register retains its memory contents and all information on sales entries.

- When power failure is encountered in register idle state or during an entry, the register returns to the normal state of operation after power recovery.
- When power failure is encountered during a printing cycle, the register carries out the correct printing procedure after power recovery.

## In Case of Printer Error

If the printer runs out of paper, the printer will stall, and “PAPER EMPTY” will appear on the display. Key entries will not be accepted. Referring to “Replacing the Paper Roll” in this chapter, install a new paper roll in the proper position, then press the CL key. The printer will print the power failure symbol and resume printing.

If the print roller arm comes up, the printer stalls, and “PAPER EMPTY” will appear on the display. Key entries will not be accepted. Push down the arm until it is securely locked, then press the CL key. The printer will print the power failure symbol and resume printing.

## Cautions in Handling the Printer and Recording Paper

### ■ Cautions in handling the printer

- Avoid the following environments:
  Dusty and humid places
  Direct sunlight
  Iron powder (A permanent magnet and electromagnet are used in this machine.)
- Never pull the paper when the print roller arm is locked. First lift up the arm, and then remove the paper.
- Never touch the surface of the printer head and print roller.

### ■ Cautions in handling the recording paper (thermal paper)

- Use only the paper specified by SHARP.
- Do not unpack the thermal paper until you are ready to use it.
- Avoid heat. The paper will color at around 70°C.
- Avoid dusty and humid places for storage. Avoid direct sunlight.
- The printed text on the paper can discolor under the following conditions:
  Exposure to high humidity and temperature
  Exposure to the direct sunlight
  Contact with glue, thinner or a freshly copied blueprint.
  Heat caused by friction from scratching or other such means.
  Contact with a rubber eraser or adhesive tape.
- Be very careful when handling the thermal paper. If you want to keep a permanent record, copy the printed text with a photocopier.

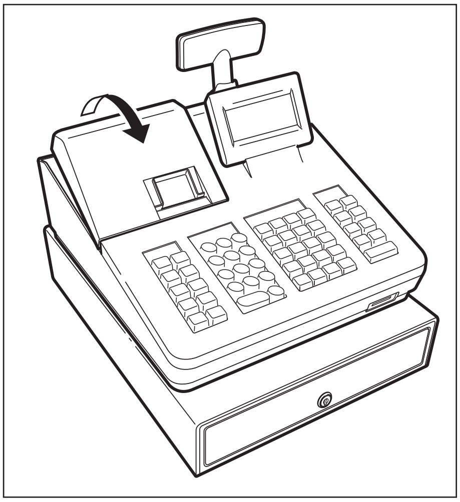
# Installing Batteries

This register displays a low battery warning message “LOW BATTERY” when the batteries are low, and displays a no battery warning message “NO BATTERY” when batteries are extremely low or batteries are not installed.
If no batteries are installed, install two new alkaline batteries LR6 (“AA” size) at once. If batteries are already installed, replace them with new ones as soon as possible. If the AC power cord is disconnected or a power failure occurs when the batteries are dead or not installed, all the programmed settings will be reset to the default settings and any data stored in memory will be cleared.

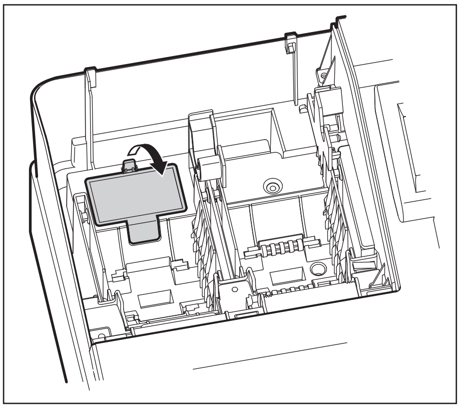
**NOTE** *Improper use of batteries could cause them to burst or leak, which might damage the interior of the register. Please take the following precautions:*

- *Be sure that the positive (+) and negative (-) poles of each battery are oriented properly.*
- *Never mix batteries of different types.*
- *Never mix old batteries and new ones.*
- *Never leave dead batteries in the battery compartment.*
- *Remove the batteries if you plan not to use the register for long periods.*
- *Should a battery leak, clean out the battery compartment immediately, taking care not to let the battery fluid come into direct contact with your skin.*
- *If an incorrect battery is used, it may explode or leak.*
- *For battery disposal, follow the relevant law or regulation in your country.*

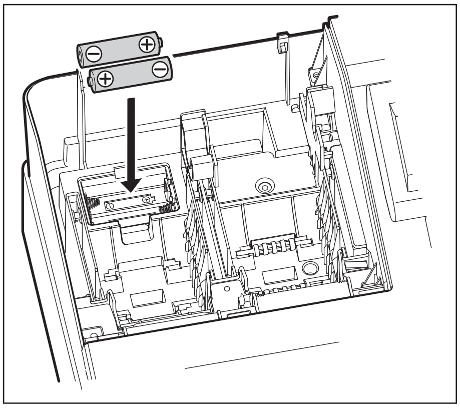
**Replacement**



1. Be sure the register is plugged in.
2. Remove the printer cover.



3. Open the battery cover and remove the old batteries.



4. Install two new LR6 (“AA” size) batteries into the battery compartment.

5. Close the battery cover.

6. Replace the printer cover.

# Replacing the Paper Roll

## Recording paper specifications

Be sure to use paper rolls specified by SHARP.
The use of any other paper rolls than specified could cause paper jamming, resulting in register malfunction.

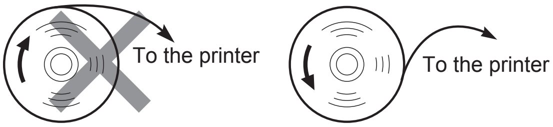
**Paper specification**

| | |
|---|---|
| Paper width: | 57.5 ± 0.5 mm |
| Max. outside diameter: | 80 mm |
| Quality: | High quality(0.06 to 0.08 mm thickness) |

- **Be sure to set a paper roll prior to using your machine, otherwise it may cause a malfunction.**

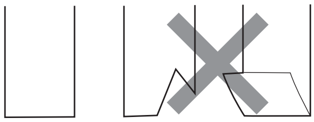
Install the paper roll in the printer. Be careful then to set the roll and cut the paper end correctly.

**(How to set the paper roll)**



Incorrect     Correct

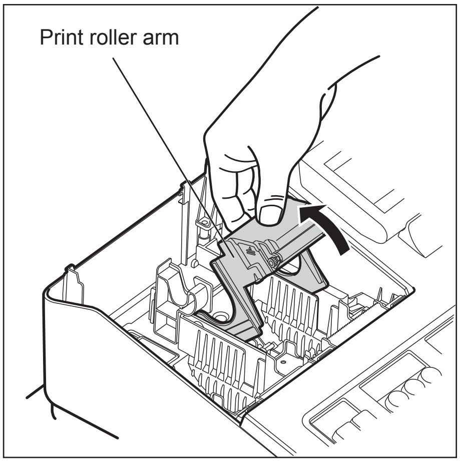
**(How to cut the paper end)**



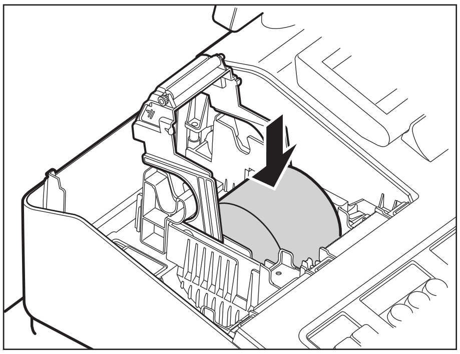
Correct     Incorrect

## Installing the Paper Roll

Always install the paper roll even when you set the register for not printing receipt in REG mode.

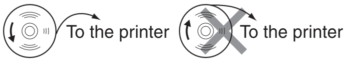


1. Remove the printer cover.
2. Lift up the print roller arm.

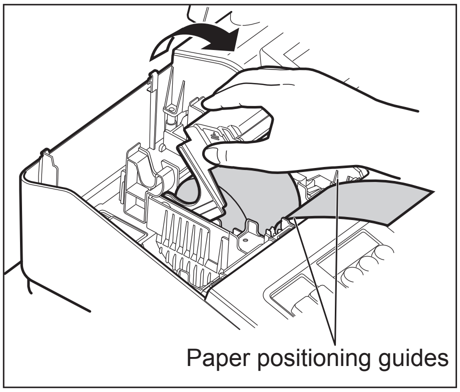


3. Set the paper correctly in the paper roll cradle.

**NOTE** *Before placing a new paper roll in the paper roll cradle, cut off the pasted (taped) part of the paper and confirm that the cut end of the paper is straight.*



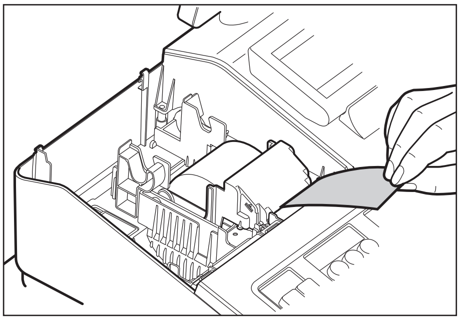
Correct     Incorrect



4. Feed the end of the paper along with the paper positioning guides as per the diagram.

5. While holding down the paper, slowly close the print roller arm.

**NOTE** *If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm as instructed above.*



6. Cut off the excess paper and replace the printer cover.

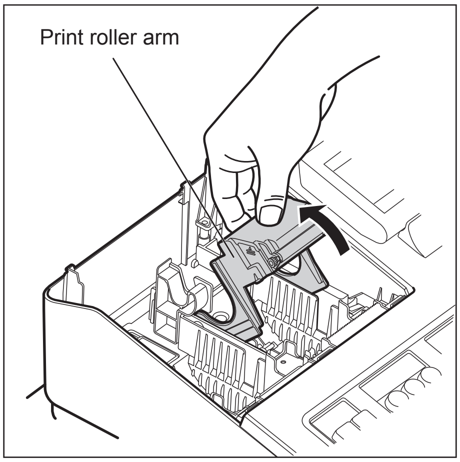
7. Press the ↑RECEIPT key to make sure the paper end comes out of the printer cover and clean paper appears.

**NOTE** *If the paper end does not come out, open the printer cover, and pass the paper end between the paper cutter and the paper guide of the printer cover, and replace the printer cover.*

## ■ Removing the receipt paper roll

When colored dye appears on the edges of the paper roll, it is time to replace the paper roll. Use paper of 57.5 ± 0.5 mm in width. To prevent jamming be sure to use paper specified by SHARP.

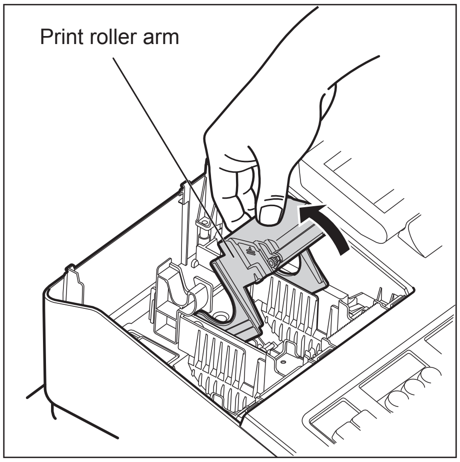
1. Confirm that the REG mode has been selected.
2. Remove the printer cover.
3. Lift up the print roller arm.
4. Remove the remaining paper roll from the paper roll cradle.
5. Install a new paper roll correctly by following the steps in “Installing the Paper Roll”.



## ■ Removing the Paper Jam

**Caution: The paper cutter is mounted on the printer cover. Be careful not to cut yourself. Never touch the printer head immediately after printing, as the head may still be hot.**

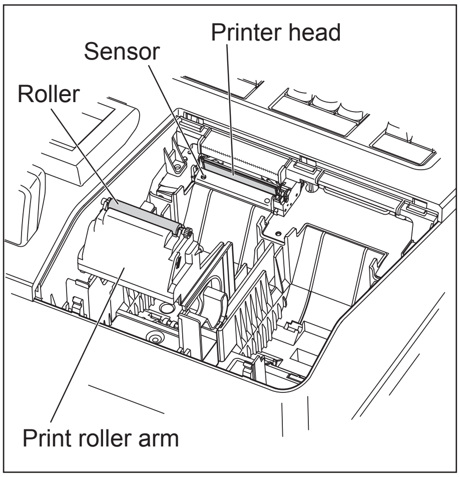
1. Remove the printer cover.
2. Lift up the print roller arm.
3. Remove the paper jam. Check for and remove any shreds of paper that may remain in the printer.
4. Reset the paper roll correctly by following the steps in “Installing the Paper Roll.”



# Cleaning the Printer (Printer Head/Sensor/Roller)

When the printed text is getting dark or faint, paper dust may be stuck to the printer head, sensor and/or roller. Clean them as follows:

**Caution: Never touch the printer head with a tool or anything hard as it may damage the head.**
**The paper cutter is mounted on the printer cover. Be careful not to cut yourself.**

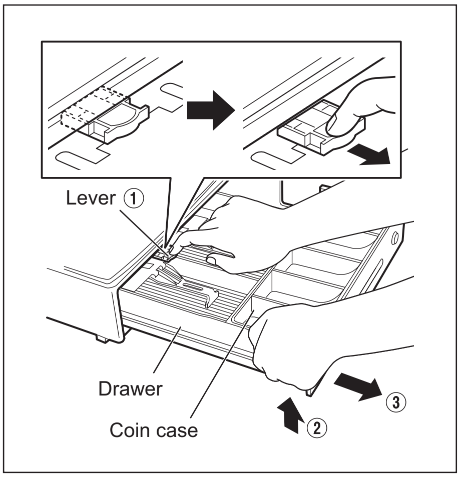


1. Select the OFF mode.
2. Remove the printer cover.
3. Lift up the print roller arm.
4. Remove the paper roll referring to the “Removing the paper roll” section.
5. Clean the printer head with a cotton swab or soft rag moistened with ethyl alcohol or isopropyl alcohol.
   Clean the roller and the sensor in the same manner.
6. Reset the paper roll correctly by following the steps in “Installing the paper roll.”

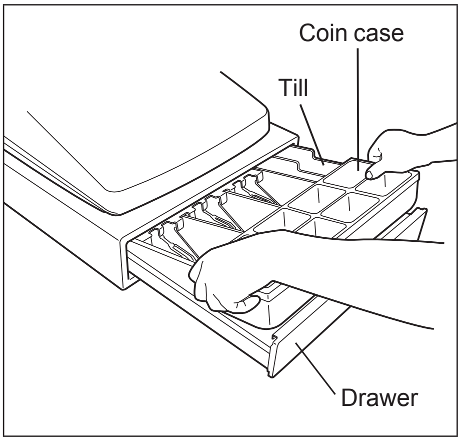
# Removing the Till and the Drawer

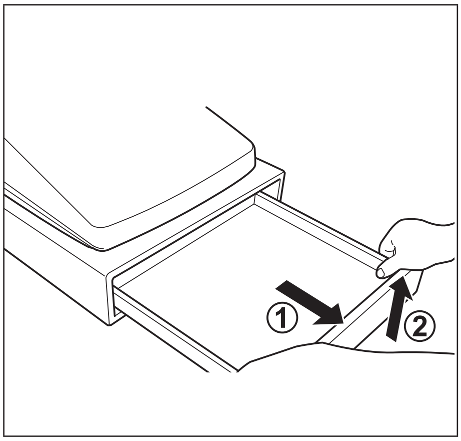
**<XE-A177>**

The drawer in the register is detachable. After closing your business for the day, remove the drawer. To detach the drawer, pull the lever fully out, and while holding the lever out, lift the drawer slightly and remove. The coin case is detachable.



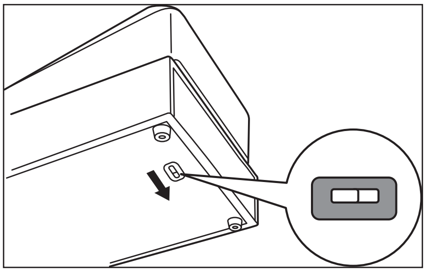
**<XE-A207W/XE-A207B/XE-A217W/XE-A217B>**
The till in the register is detachable. After closing your business for the day, remove the till from the drawer and keep the drawer open. The coin case is also detachable from the till. To detach the drawer, pull it forward fully with the till removed, and remove it by lifting it up.



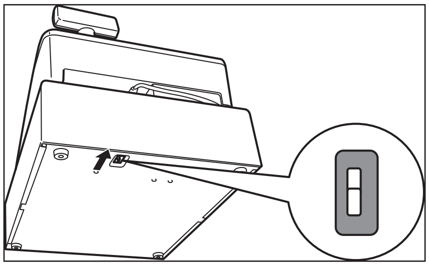


## Opening the Drawer by Hand

The drawer automatically opens in the usual way. However, when power failure is encountered or the machine becomes out of order, slide the lever located on the bottom of the machine in the direction of the arrow. (See the figure below.) The drawer will not open, if it is locked with a drawer lock key.



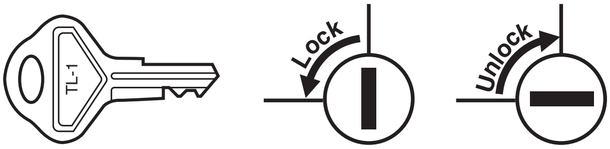
<XE-A177>



<XE-A207W/XE-A207B/
XE-A217W/XE-A217B>

## Drawer Lock Key

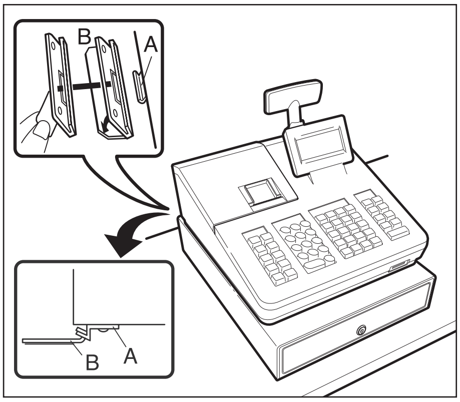
This key locks and unlocks the drawer.
To lock it, turn 90 degrees counterclockwise.
To unlock it, turn 90 degrees clockwise.



# Installing the Fixing Angle Bracket (XE-A207W/XE-A207B/XE-A217W/XE-A217B only)

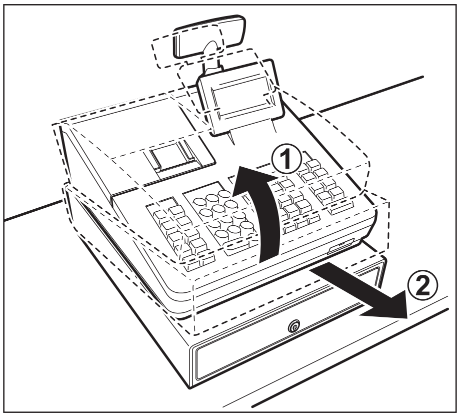
To prevent the register from moving when the drawer opens, the fixing angle bracket is supplied with the register. By attaching the bracket to the table where the register is installed, you can hock the register on this bracket and secure the register to its position.

**How to install the fixing angle bracket**



1. Thoroughly clean the location where the fixing angle bracket (B) is to be placed.
2. Peel off the adhesive tape on the fixing angle bracket.
3. Hook the angle bracket onto the hook (A) that is located at the bottom rear of the register.
4. Firmly stick the fixing angle bracket to the table surface that your cleaned above.

**How to remove the register from the fixing angle bracket**



1. Lift up the front of the register and pull the register towards you.

# Before Calling for Service

If you encounter any of the following problems, please read below before calling for service.

| Fault | Checking |
|---|---|
| • The display does not illuminate. | • Is power supplied to the electric outlet?<br>• Is the power cord plug out or loosely connected to the electric outlet?<br>• Is the register in screen-save mode? |
| • The display is illuminated, but the whole machine refuses entries. | • Is a clerk code assigned to the register?<br>• Is the register in the REG mode? |
| • No receipt is issued. | • Is the receipt paper roll properly installed?<br>• Is there a paper jam?<br>• Is the receipt function in the “OFF” status?<br>• Is the print roller arm securely locked? |
| • Printing is unusual. | • Are the printer head/sensor/roller clean?<br>• Is the paper roll properly installed? |

# 14 Specifications

## <XE-A177>

| | | |
|---|---|---|
| Model: | XE-A177 | |
| Dimensions: | 345 (W) x 390 (D) x 300 (H) mm | |
| Weight: | Approx. 8.0 kg | |
| Power Source: | Official (nominal) voltage and frequency | |
| Power Consumption: | Stand-by: | 5.1 W (When the official voltage is 220 to 230 V, 50 Hz/60 Hz) |
| | | 5.7 W (When the official voltage is 230 to 240 V, 50 Hz) |
| | Operating: | 29.9 W (max.) (When the official voltage is 220 to 230 V, 50 Hz/60 Hz) |
| | | 30.4 W (max.) (When the official voltage is 230 to 240 V, 50 Hz) |
| Working Temperature: | 0 to 40 °C (32 to 104 °F) | |
| Humidity: | 20 % to 90 % | |
| Display: | Operator display: | LCD display with Tilt mechanism<br>160 (W) x 64 (H) (dots) |
| | Customer display: | 7-segment display |
| Printer: | Type: | One-station thermal printer |
| | Printing speed: | Approx. 12 lines/second |
| | Printing capacity: | 30 digits |
| | Other functions: | |
| | - Receipt (ON-OFF) function | |
| | - Compression print for an electronic journal | |
| Logo: | Graphic logo printing: | |
| | Size: | 130 (H) x 360 (W) pixel<br>Area of black must be less than 35% of all area. |
| | Logo message printing: | |
| | Logo message for the receipt (max. 30 characters x 6 lines) | |
| Paper Roll: | Width: | 57.5 ± 0.5 mm |
| | Max. diameter: | 80 mm |
| | Quality: | High quality (0. 06 to 0.08 mm thickness) |
| Cash Drawer: | 3 slots for bills and 7 for coin denominations | |
| Accessories: | Basic User Manual: | 1 copy |
| | Paper roll: | 1 |
| | Drawer lock key: | 2 |
| | Battery caution label: | 1 |

## <XE-A207W/XE-A207B/XE-A217W/XE-A217B>

| | | |
|---|---|---|
| Model: | XE-A207W/XE-A207B<br>XE-A217W/XE-A217B | |
| Dimensions: | 360 (W) x 425 (D) x 330 (H) mm | |
| Weight: | Approx. 11.0 kg | |
| Power Source: | Official (nominal) voltage and frequency | |
| Power Consumption: | Stand-by: | 7.4 W (When the official voltage is 220 to 230 V, 50 Hz/60 Hz)<br>7.5 W (When the official voltage is 230 to 240 V, 50 Hz) |
| | Operating: | 32.4 W (max.) (When the official voltage is 220 to 230 V, 50 Hz/60 Hz)<br>32.2 W (max.) (When the official voltage is 230 to 240 V, 50 Hz) |
| Working Temperature: | 0 to 40 °C (32 to 104 °F) | |
| Humidity: | 20 % to 90 % | |
| Display: | Operator display: | LCD display with Tilt mechanism<br>160 (W) x 64 (H) (dots) |
| | Customer display: | 7-segment display |
| Printer: | Type: | One-station thermal printer |
| | Printing speed: | Approx. 12 lines/second |
| | Printing capacity: | 30 digits |
| | Other functions:<br>- Receipt (ON-OFF) function<br>- Compression print for an electronic journal | |
| Logo: | Graphic logo printing: | |
| | Size: | 130 (H) x 360 (W) pixel<br>Area of black must be less than 35% of all area. |
| | Logo message printing:<br>Logo message for the receipt (max. 30 characters x 6 lines) | |
| Paper Roll: | Width: | 57.5 ± 0.5 mm |
| | Max. diameter: | 80 mm |
| | Quality: | High quality (0. 06 to 0.08 mm thickness) |
| Cash Drawer: | 5 slots for bills and 8 for coin denominations | |
| Accessories: | Basic User Manual: | 1 copy |
| | Standard key sheet: | 1 (placed under keyboard cover) for XE-A217W/XE-A217B only |
| | Programing key sheet: | 1 (placed under keyboard cover) for XE-A217W/XE-A217B only |
| | Paper roll: | 1 |
| | Drawer lock key: | 2 |
| | Fixing angle bracket: | 1 |
| | Battery caution label: | 1 |

*Specifications and appearance are subject to change without notice for improvement.

**Warning**
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**Achtung**
Dies ist ein Gerät der Klasse A. Dieses Gerät kann im Wohnbereich Funkstörungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Gegenmaßnahmen durchzuführen und dafür aufzukommen.

**Advertencia**
Este es un producto de la clase A. En un ambiente doméstico es posible que este producto cause radiointerferencia. En este caso se solicita al usuario que tome medidas adecuadas.

**Advertência**
Este é um produto de classe A. Num ambiente doméstico este produto pode causar interferência rádio sendo que neste caso o utilizador terá que tomar medidas adequadas.

**Avertissement**
Ceci est un produit de Classe A. Dans un environnement domestique ce produit risque de provoquer une interférence radio, auquel cas l’utilisateur sera obligé d’observer les mesures adéquates.

**Waarschuwing**
Dit is een Klasse A-product. Het is mogelijk dat dit product in de huiselijke omgeving radiostoringen veroorzaakt waartegen de gebruiker afdoende maatregelen dient te nemen.

**Avvertenza**
Questo è un prodotto di Classe A. In un ambiente domestico questo prodotto può causare interferenze radio, nel qual caso l’utilizzatore può essere tenuto a prendere provvedimenti adeguati.

**Advarsel**
Dette er et klasse A produkt. I et hjemligt miljø kan produktet forårsage radio forstyrrelser, hvor brugeren kan være forpligtet til at træffe passende foranstaltninger.

**Advarsel**
Dette er et klasse A produkt. Innendørs kan dette produktet skape radioforstyrrelser. I så tilfelle må brukeren iverksette nødvendige tiltak.

**Varoitus**
Tämä on luokan A tuote. Kotiympäristössä tämä tuote saattaa aiheuttaa radiohäiriötä, jossa tapauksessa käyttäjän on ehkä ryhdyttävä tarvittaviin toimenpiteisiin.

**Varning**
Detta är en produkt av klass A. I hemmiljö kan produkten störa radiomottagning, i vilket fall användaren kan behöva vidta motåtgärder.

**Varování**
Toto je výrobek třídy A. Je-li výrobek provozován v domácím prostředí, může způsobovat radiové rušení jiných zařízení a uživatel proto musí provést odpovídající opatření.

**Upozorenje**
Ovo je proizvod A klase. U domaćem okruženju ovaj proizvod može prouzročiti radio smetnje što može zahtijevati od korisnika da poduzme odgovarajuće mjere.

**Varovanie**
To je proizvod razreda A. V domačem okolju lahko ta izdelek povzroči radijske motnje. V tem primeru mora uporabnik ustrezno ukrepati.

**Hoiatus**
Tegemist on A-klassi tootega. Kodukeskkonnas kasutamisel võib antud toode põhjustada raadiointerferentsi, mis omakorda nõuab kasutajalt sobivate meetmete rakendamist.

**Προειδοποίηση**
Αυτό είναι ένα προϊόν κατηγορίας A. Σε ένα εσωτερικό περιβάλλον αυτό το προϊόν μπορεί να προκαλέσει τη ράδιο ακτινοβολία. Σε αυτή την περίπτωση ο χρήστης πρέπει να λάβει επαρκή μέτρα προστασίας.

**Uwaga**
Urządzenie to jest urządzeniem klasy A. W środowisku mieszkalnym może ono powodować zakłócenia radioelektryczne. W takich przypadkach można żądać od użytkownika zastosowania odpowiednich środków zaradczych.

**Upozorenje**
Ovo je proizvod klase A. U kućnom okruženju ovaj proizvod može prouzrokovati radio smetnje, u tom slučaju od korisnika se zahteva da preduzme odgovarajuće mere.

## FOR CUSTOMERS IN U.K.

### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

**BLUE:** **Neutral**
**BROWN:** **Live**

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured red.
The apparatus must be protected by a 3A fuse in the mains plug or distribution board.
CAUTION: DO NOT CONNECT THE LIVE (BROWN) WIRE OR THE NEUTRAL (BLUE) WIRE TO THE EARTH TERMINAL OF YOUR 3-PIN MAINS PLUG.

**CAUTION:**
Shielded interface cables must be used with this equipment to maintain compliance with EMC regulations.

Noise level LpA: 60.7 dB(A-weighted)
Measured according to EN ISO 7779:2001
[Maximum value if the cash drawer springs open LpAI: 80.4 dB(A-weighted)]

**SHARP ELECTRONICS (Europe) Ltd.**
S4 Furzeground Way, Stockley Park Uxbridge,
UB11 1 EZ, United Kingdom

SHARP CORPORATION